MARCH 20, 1946 NUMBER 422

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE ONE HUNDRED AND
FIFTY-SECOND SESSION

THE GENERAL CATALOGUE

ABBREVIATED

CATALOGUE ISSUE

1945-1946

THE UNIVERSITY OF NORTH CAROLINA PRESS
CHAPEL HILL, N. C.

1945

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CALENDAR OF EVENTS

1945	Session 1945-1946
June 23-25	*Saturday-Monday.* Commencement exercises.
June 26-July 1	*Tuesday through Sunday.* Summer recess.
	Summer Session
July 2-3	*Monday-Tuesday.* Registration for summer session.
July 4	*Wednesday.* Classwork begins.
Aug. 25	*Saturday.* Last day of classes.
Aug. 27-28-29	*Monday through Wednesday.* Examinations, according to schedule.
Aug. 30-Sept. 2	*Thursday through Sunday.* Autumn recess.
	September-October Term
Sept. 3	*Monday.* Registration for September-October term.
Sept. 4	*Tuesday.* Classwork begins.
Oct. 22	*Monday.* Last day of classes.
Oct. 23-24-25-26	*Tuesday through Friday.* Examinations, according to schedule.
	November-December Term
Oct. 29	*Monday.* Registration for November-December term.
Oct. 30	*Tuesday.* Classwork begins.
Dec. 17	*Monday.* Last day of classes.
Dec. 18-19-20-21	*Tuesday through Friday.* Examinations, according to schedule.
Dec. 22	*Saturday.* Christmas recess begins.
1946	**Winter Quarter**
Jan. 3	*Thursday.* Registration for winter quarter.
Jan. 4	*Friday.* Classwork begins.
Jan. 5	*Saturday.* Classes meet—the only Saturday to be used in the winter quarter.
Mar. 15	*Friday.* Last day of classes.
Mar. 18-19-20-21	*Monday through Thursday.* Examinations, according to schedule.
	Spring Quarter
Mar. 22-23	*Friday-Saturday.* Registration for spring quarter.
Mar. 25	*Monday.* Classwork begins.
June 3	*Monday.* Last day of classes.
June 4-5-6-7	*Tuesday through Friday.* Examinations, according to schedule.
June 10	*Monday.* Commencement exercises.

PART ONE

OFFICERS

THE BOARD OF TRUSTEES

The University of North Carolina, Chapel Hill
The North Carolina State College of Agriculture and Engineering of the University of North Carolina, Raleigh
The Woman's College of the University of North Carolina, Greensboro

Executive Committee

ROBERT GREGG CHERRY, *ex officio* Chairman.
ARCH T. ALLEN, Secretary.

Class of 1946

JOHN W. UMSTEAD, JR., O. MAX GARDNER, JOHN W. CLARK.

Class of 1948

JOHN SPRUNT HILL, EDWIN PATE, JOHN J. PARKER.

Class of 1950

MRS. LAURA W. CONE, VICTOR S. BRYANT, MRS. MAY L. TOMLINSON.

Class of 1952

JOSEPHUS DANIELS, CLARENCE POE, RICHARD J. REYNOLDS.

Ex Officio Trustees

CLYDE A. ERWIN, State Superintendent of Public Instruction.
ARCH T. ALLEN, Secretary of the Board.

Life Trustees

CAMERON MORRISON, Governor, 1921-1925.
OLIVER MAX GARDNER, Governor, 1929-1933.
J. C. B. EHRINGHAUS, Governor, 1933-1937.
CLYDE R. HOEY, Governor, 1937-1941.
JOSEPH MELVILLE BROUGHTON, Governor, 1941-1945.
GOVERNOR ROBERT GREGG CHERRY.

Class of April 1, 1947

MRS. KATHARINE PENDLETON ARRINGTON.....Warren
HERBERT DALTON BATEMAN.....Wilson
JOHN BARTLETT FEARING.....Bertie

Battle Applewhite Hocutt.....Johnston
Ira Thomas Johnston.....Ashe
John Hosea Kerr, Sr.....Warren
J. Heath Kluttz.....Stanly
Mark C. Lassiter.....Greene
Willie Lee Lumpkin.....Franklin
George Lafayette Lyerly.....Catawba
Henry Burwell Marrow.....Johnston
Lennox Polk McLendon.....Guilford
William Daniel Merritt.....Person
*Walter Murphy.....Rowan
†Haywood Parker.....Buncombe
Clarence Poe.....Wake
James Turner Pritchett.....Caldwell
Carl A. Rudisill.....Gaston
‡George Stephens.....Buncombe
William H. Sullivan.....Guilford
Fred Isler Sutton.....Lenoir
Hoyt Patrick Taylor.....Anson
John Wesley Umstead, Jr.....Orange
Lionel Weil.....Wayne
§Charles Whedbee.....Perquimans

Class of April 1, 1949

Miss Emily Austin.....Edgecombe
Miss Annie Moore Cherry.....Halifax
David Clark.....Mecklenburg
James Hector Clark.....Bladen
Clyde Kinchen Councill.....Columbus
Josephus Daniels.....Wake
Benjamin Bryant Everett.....Halifax
Mrs. Sue Ramsey Johnston Ferguson.....Alexander
James Skinner Fichlen.....Pitt
James Alexander Gray.....Forsyth
Reginald Lee Harris.....Person
William Edwin Horner.....Lee
Hugh Horton.....Martin
Robert Eugene Little.....Anson
Daniel Killian Moore.....Jackson
Thomas Jenkins Pearsall.....Nash
Julian Hawley Poole.....Moore
John Albert Pritchett.....Bertie
Claude Wharton Rankin.....Cumberland

* Died January 12, 1946.
† Died October 1, 1945.
‡ Died April 1, 1946.
§ Died June 27, 1945.

FOY ROBERSON ..... Durham
THOMAS CLARENCE STONE ..... Rockingham
WALTER FRANK TAYLOR ..... Wayne
MRS. MAY LOVELACE TOMLINSON ..... Guilford
FITZHUGH ERNEST WALLACE ..... Lenoir
GRAHAM WOODARD ..... Wilson

Class of April 1, 1951

ARCH TURNER ALLEN ..... Wake
ALEXANDER BOYD ANDREWS ..... Wake
EDWARD STEPHENSON ASKEW ..... Pamlico
KEMP DAVIS BATTLE ..... Nash
JAMES ALBERT BRIDGER ..... Bladen
CHARLES ALBERT CANNON ..... Cabarrus
RICHARD THURMOND CHATHAM ..... Forsyth
WILLIAM GRIMES CLARK ..... Edgecombe
ARTHUR MILLS DIXON ..... Gaston
*RUFUS ALEXANDER DOUGHTON ..... Alleghany
FRANK WILLS HANCOCK, JR ..... Granville
CHARLES ANDREW JONAS ..... Lincoln
ARTHUR HILL LONDON ..... Chatham
MRS. SADIE MCBRAYER MCCAIN ..... Hoke
MRS. GERTRUDE DILLS MCKEE ..... Jackson
RAYMOND MAXWELL ..... Craven
REID ATWATER MAYNARD ..... Alamance
ANDREW LEE MONROE ..... Wake
KEMP BATTLE NIXON ..... Lincoln
JOHN JOHNSTON PARKER ..... Mecklenburg
ROBERT WRIGHT PROCTOR ..... McDowell
RICHARD JOSHUA REYNOLDS ..... Forsyth
BENJAMIN FRANKLIN ROYAL ..... Carteret
WILLIAM BURDER SHUFORD ..... Catawba
MISS GRACE PEMBERTON TAYLOR ..... Stokes

Class of April 1, 1953

WADE BARBER ..... Chatham
SAMUEL MASTERS BLOUNT ..... Beaufort
VICTOR SILAS BRYANT ..... Durham
MISS GERTRUDE CARRAWAY ..... Craven
JOHN WASHINGTON CLARK ..... Randolph
COLLIER COBB, JR ..... Orange
GEORGE S. COBLE ..... Davidson
MRS. LAURA WEILL CONE ..... Guilford
JOHN GILMER DAWSON ..... Lenoir

* Died August 17, 1945.

JOSEPH C. EAGLES.....Wilson
SAMUEL JAMES ERVIN.....Burke
W. ROY HAMPTON.....Washington
JOHN SPRUNT HILL.....Durham
BENJAMIN KITTRELL LASSITER.....Granville
JOHN Q. LEGRAND.....New Hanover
HENRY ABEL LINEBERGER.....Gaston
MRS. FRANCES NEWSOM MILLER.....Wake
GLENN C. PALMER.....Haywood
EDWIN PATE .....Scotland
JAMES CARLTON PITTMAN.....Lee
J. E. RAMSEY.....Rowan
ROY ROWE.....Pender
JOHN BENTON STACY.....Rockingham
KENNETH SPENCER TANNER.....Rutherford
WILLIAM BRADLEY UMSTEAD.....Durham

OFFICERS OF ADMINISTRATION

THE UNIVERSITY OF NORTH CAROLINA

(A consolidation of The University at Chapel Hill, The State College of Agriculture and Engineering at Raleigh, and The Woman's College at Greensboro)

(Office at Chapel Hill)

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President*
WILLIAM DONALD CARMICHAEL, JR., S.B.Comm., *Controller*
LIVINGSTON BERTRAM ROGERSON, C.P.A., *Administrative Research Officer*

The Administrative Council

ROBERT BURTON HOUSE
EDGAR WALLACE KNIGHT
HERMAN GLENN BAITY
WILLIAM FREDERICK PROUTY
WILLIAM SMITH WELLS
JOHN WILLIAM HARRELSON
MONROE EVANS GARDNER
THOMAS NELSON
ARTHUR JOHN WILSON
WILLIAM HAND BROWNE, JR.
WALTER CLINTON JACKSON
BERNICE DRAPER
MARGARET EDWARDS
EMILY WATKINS
MEREB MOSSMAN

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

General Administrative Officers

ROBERT BURTON HOUSE, A.M., LL.D., *Chancellor of The University at Chapel Hill and Vice-President of The University of North Carolina*
*THOMAS JAMES WILSON, JR., Ph.D., *Secretary of the Faculty*
ALLAN WILSON HOBBS, Ph.D., *Chairman* pro tempore *of the Faculty*
ALMONTE CHARLES HOWELL, Ph.D., *Secretary* pro tempore *of the Faculty*
JULIUS ALGERNON WARREN, *Treasurer*

Administrative Officers of Instruction

ALLAN WILSON HOBBS, Ph.D., *Dean of the College of Arts and Sciences and Chairman of the Committee on Instruction*
WILLIAM WHATLEY PIERSON, Ph.D., Litt.D., *Dean of the Graduate School*
ROBERT HASLEY WETTACH, A.M., LL.B., S.J.D., *Dean of the School of Law*

* Died October 25, 1945.

WALTER REECE BERRYHILL, A.B., M.D., *Dean of the School of Medicine*

*JOHN GROVER BEARD, Ph.G., Ph.M., *Dean of the School of Pharmacy*

DUDLEY DEWITT CARROLL, M.A., *Dean of the School of Commerce*

CORYDON PERRY SPRUILL, A.B., B.Litt. (Oxon.), *Dean of the General College*

MISS SUSAN GREY AKERS, Ph.D., *Dean of the School of Library Science*

†MILTON JOSEPH ROSENAU, M.D., A.M., *Dean of the School of Public Health*

‡HERMAN GLENN BAITY, Sc.D., *Acting Dean of the School of Public Health*

MARION LEE JACOBS, Ph.D., *Acting Dean of the School of Pharmacy*

Administrative Officers of Student Welfare

§FRANCIS FOSTER BRADSHAW, Ph.D., *Chairman of the Division of Student Welfare*

||SAMUEL WILLIAM JOHN WELCH, S.B., *Assistant to the Dean of Students*

ERNEST LLOYD MACKIE, Ph.D., *Dean of Men and Acting Chairman of the Division of Student Welfare*

¶ROLAND BRYCE PARKER, A.B., *Dean of Men*

MRS. MARVIN HENDRIX STACY, *Dean of Women*

FREDERICK CARLYLE SHEPARD, Ph.D., *Adviser to Veterans and Vocational Counsellor to Men*

KATHRYN G. COOK, M.A., *Vocational Counsellor to Women*

WILLIAM DECATUR PERRY, Ed.D., *Director of the University Testing Service*

EDWARD MCGOWAN HEDGPETH, A.B., M.D., *University Physician*

WILLIAM GARDNER MORGAN, A.B., M.D., *Associate University Physician*

**ROBERT EDWARDS STONE, A.B., M.D., *Associate University Physician*

RUBY ARDEN SMITH, A.B., M.D., *Assistant University Physician*

††SYDENHAM BENONI ALEXANDER, A.B., M.D., *Assistant University Physician*

ROBERT ALLISON FETZER, B.S., M.A., *Director of Physical Education and Athletics*

CHARLES PERRY ERICKSON, B.S., *Assistant Director of Athletics*

OLIVER KELLY CORNWELL, M.A., *Director of Physical Education for Men*

---

* Died April 23, 1946.
† Died April 9, 1946.
‡ Acting Dean of the School of Public Health from April, 1946.
§ Absent on leave from April 1, 1945; resigned December 15, 1945.
|| Returned from war leave November 1, 1945; resigned April 11, 1946.
¶ Returned from war leave January 1, 1946; resigned as Dean of Men as of that date.
** Absent on war leave; resigned March, 1946.
†† Appointment effective June 1, 1946, for one year.

GLADYS ANGEL BEARD, M.A., *Director of Physical Education for Women*
CARL GREY SNAVELY, M.A., *Head Coach of Football*
HARRY FULCHER COMER, M.A., *General Secretary of the Y.M.C.A.*
WILLIAM HARDMAN POTEAT, A.B., B.D., *Assistant General Secretary of the Y.M.C.A.*
*CATHERINE SMITH FERRELL, A.B., *Secretary of the Y.W.C.A.*
EDWIN SIDNEY LANIER, *Director of Student Aid and Director of the Office of Records*
MARTHA RICE, A.B., *Director of Graham Memorial*

Administrative Officers of Admissions, Registration, and Records

†THOMAS JAMES WILSON, JR., Ph.D., *Advisory Dean, Editor of the University of North Carolina Record, Archivist*
‡BEN HUSBANDS, A.B., *Registrar*
§LEE ROY WELLS ARMSTRONG, A.B., *Director of Admissions*
GUY BERRYMAN PHILLIPS, M.A., *Director of Admissions*
||WILLIAM HOWARD PLEMMONS, Ph.D., *Admissions Officer and Acting Registrar*
EDWIN SIDNEY LANIER, *Director of the Office of Records*
MISS JOSEPHINE PRITCHARD, *Senior Recorder, Office of Records*

Administrative Officers of the Business Organization

CLAUDE EDWARD TEAGUE, A.B., *Assistant Controller and Business Manager*
¶LOUIS DEROSSET MACMILLAN, A.B., C.P.A., *Auditor*
KEMP SHIELDS CATE, *Escheats Accountant*
THOMAS HILTON EVANS, S.B.Comm., *Supervisor of Accounting and Control*
JOHN LEWIS GOUGER, S.B.Comm., *Accountant for Utilities and Auxiliary Enterprises*
ALEXANDER HURLBUTT SHEPARD, M.A., *Administrative Assistant to the Business Manager*
**JOHN SAMUEL BENNETT, B.S., R.E., *Supervisor of Public Utilities and Auxiliary Enterprises*
HENRY EDWARD THOMPSON, S.B., in E.E., *Supervisor of Public Utilities*
JAMES ARTHUR BRANCH, *Supervisor of Auxiliary Enterprises*
JAMES ALLEN WILLIAMS, A.B., LL.B., *Administrative Assistant to the Business Manager*
††SAMUEL WILLIAMSON FREEMAN, S.B.Comm., *Supervisor of Purchases and Supplies*

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* Resigned June 10, 1946.
† Died October 25, 1945.
‡ On leave from May 15, 1944.
§ Returned from war leave March 1, 1946.
|| Resigned June 10, 1946.
¶ Returned from war leave December 15, 1945.
** Returned from war leave January 1, 1946.
†† Resigned December 1, 1945.

*ARTHUR RUSSELL HOLLETT, S.M. in E.E., R.E., *Supervisor of the Physical Plant*
GILES FOUSHEE HORNEY, S.B. in E.E., *Supervisor of the Physical Plant*

The University Library

CHARLES EVERETT RUSH, A.B., B.L.S., M.A., *Director of Libraries and Chairman of the Library Division*
OLAN VICTOR COOK, A.B., A.B. in L.S., *Assistant Librarian*

The University Extension Division

RUSSELL MARVIN GRUMMAN, B.H., *Director*

The Alumni Offices and Carolina Inn

JOSEPH MARYON SAUNDERS, A.M., *Alumni Secretary*
JAMES LEIGH SKINNER, *Resident Manager, Carolina Inn*

The University News Bureau

ROBERT WILSON MADRY, A.B., M.A., *Director*
MARION ROMAINE ALEXANDER, A.B., LL.B., *Sports Editor and Staff Assistant*

The University of N. C. Press

†WILLIAM TERRY COUCH, A.B., *Director*
‡MISS PORTER COWLES, A.B., *Acting Director*
§THOMAS JAMES WILSON, Ph.D., *Director*

Hill Hall of Music

GLENN HAYDON, Ph.D., *Director*

Person Hall Art Gallery

||JOHN VOLNEY ALLCOTT, M.A., *Director*
¶KENNETH NESS, M.A., *Acting Director*
**HELENE TIRANOFF, *Curator*
††LYNETTE WARREN, A.B., *Curator*

---

* Returned from war leave June 15, 1946.
† Resigned October 1, 1945.
‡ October 1 to December 31, 1945.
§ Appointed January 1, 1946.
|| Returned from war leave January, 1946.
¶ Until January, 1946.
** Resigned May 1, 1946.
†† Appointed May 1, 1946.

OFFICERS OF INSTRUCTION AND ADMINISTRATION (1945-1946)

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President*
A.B., 1909 (North Carolina); M.A., 1916 (Columbia); LL.D. (Birmingham-Southern, Davidson, Duke, William and Mary, Wake Forest, Harvard, Amherst); D.C.L. (Catawba); D.Litt. (Columbia).

ROBERT BURTON HOUSE, A.M., LL.D., *Chancellor, and Vice-President of the University of North Carolina*
A.B., 1916 (North Carolina); A.M., 1917 (Harvard); LL.D. (Catawba).

Note: Names in alphabetical order

PEYTON BRYANT ABBOTT, A.B., LL.B., *Assistant Director of the Institute of Government*
A.B., 1929, LL.B., 1931 (North Carolina).

JOSEPH EDISON ADAMS, Ph.D., *Associate Professor of Botany*
Ph.G., 1925, Ph.Ch., 1927 (College of Pharmacy, Columbia); B.S., 1929 (Michigan); M.A., 1932 (Columbia); Ph.D., 1935 (California).

NICHOLAS BARNEY ADAMS, Ph.D., *Professor of Spanish*
A.B., 1915 (Washington and Lee); M.A., 1920, Ph.D., 1922 (Columbia).

RAYMOND WILLIAM ADAMS, Ph.D., *Professor of English*
A.B., 1920 (Beloit); A.M., 1921, Ph.D., 1928 (North Carolina).

SUSAN GREY AKERS, Ph.D., *Professor of Library Science and Dean of the School of Library Science*
A.B., 1909 (Kentucky); Ph.D., 1932 (Chicago).

BILLIE ALBRIGHT, B.S., *Instructor in Physical Education.*
B.S., 1943 (Woman's College of the U. N. C.).

*WALTER ALLEN, JR., *Associate Professor of Latin*
A.B., 1932 (Wesleyan); Ph.D., 1936 (Yale).

†JOHN VOLNEY ALLCOTT, M.A., *Associate Professor of Art*
Ph.B., 1928 (Wisconsin); M.A., 1936 (Chicago).

‡DANIEL COZBY ANDERSON, B.S., *Part-time Instructor in Chemistry*
B.S., 1944 (Emory University).

RAYMOND NELSON ANDES, A.M., *Instructor in French*
A.B., 1940 (Bridgewater College); A.M., 1944 (North Carolina).

JAMES CLARENCE ANDREWS, Ph.D., *Professor of Biological Chemistry and Nutrition*
B.S. in Chem., 1915 (Iowa); Ph.D., 1918 (Columbia).

§EDUARDO ANGEL-BELLO, *Part-time Instructor in Spanish*

||CHARLES PHILLIPS ANSON, Ph.D., *Visiting Lecturer in Economics*
A.B., 1924 (Wisconsin); M.A., 1930 (Ohio State); Ph.D., 1940 (North Carolina).

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* Appointed November 1, 1945.
† Returned from war leave January, 1946.
‡ Appointed September, 1944.
§ September-October term, 1945.
|| Appointed January 1, 1946.

HERBERT R. BAER, A.B., LL.B., *Professor of Law*
A.B., 1923 (Cornell); LL.B., 1926 (Harvard).

ROBERTO BAESSA, *Instructor in Spanish*

ENGLISH BAGBY, Ph.D., *Professor of Psychology*
A.B., 1913, A.M., 1914 (Princeton); Ph.D., 1918 (Johns Hopkins)

JAMES OSLER BAILEY, Ph.D., *Associate Professor of English*
A.B., 1924, A.M., 1927, Ph.D., 1934 (North Carolina).

*HERMAN GLENN BAITY, Sc.D., *Professor of Sanitary Engineering and Acting Dean of the School of Public Health*
A.B., 1917, S.B. in C.E., 1922 (North Carolina); S.M., 1925, Sc.D., 1928 (Harvard).

†JAMES WORTH BANNER, A.M., *Instructor in Spanish*
B.S., 1930 (Roanoke College); A.M., 1942 (North Carolina).

MARJORIE BASON, A.B., *Instructor in Psychology*
A.B., 1945 (Woman's College of U. N. C.)

‡HOWARD KENNEDY BEALE, Ph.D., *Professor of History*
Ph.B., 1921 (Chicago); A.M., 1922, Ph.D., 1927 (Harvard)

GLADYS ANGEL BEARD, M.A., *Assistant Professor of Health and Physical Education and Director of Physical Education for Women*
Certificate in Hygiene, 1918 (Wellesley College); B.S., 1923, M.S., 1930 (Teachers College, Columbia).

§JOHN GROVER BEARD, Ph.G., Ph.M., *Professor of Materia Medica and Dean of the School of Pharmacy*
Ph.G., 1909 (North Carolina); Ph.M., 1930 (Philadelphia College of Pharmacy).

GEORGE ARTHUR BEEBE, B.A., *Instructor in Social Science.*
B.A., 1942 (Chicago).

CHARLES DALE BEERS, Ph.D., *Professor of Zoology*
A.B., 1921, A.M., 1922 (North Carolina); Ph.D., 1925 (Johns Hopkins).

||LEONARD LEE BENNETT, M.S., *Part-time Instructor in Chemistry*
A.B., 1942, M.S., 1943 (Vanderbilt).

‡EDWARD MORRIS BERNSTEIN, Ph.D., *Professor of Economics*
Ph.B., 1927 (Chicago); A.M., 1928, Ph.D., 1930 (Harvard).

WALTER REECE BERRYHILL, A.B., M.D., *Professor of Medicine and Dean of the School of Medicine*
A.B., 1921 (North Carolina); M.D., 1927 (Harvard).

GORDON WILLIAMS BLACKWELL, Ph.D., *Professor of Sociology and Director of the Institute for Research in Social Science*
A.B., 1932 (Furman); A.M., 1933 (North Carolina); A.M., 1937, Ph.D., 1940 (Harvard).

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* Acting Dean from April, 1946.
† Returned from war leave January 1, 1946.
‡ Absent on leave in government service.
§ Died April 23, 1946.
|| Appointed November, 1945.

*JAMES CYRIL DICKSON BLAINE, Ph.D., *Assistant Professor of Business Administration.*
B.Comm., 1934 (Queen's University, Canada); S.M., 1939, Ph.D., 1941 (North Carolina).

†JOHN FRIES BLAIR, M.A., LL.B., *Assistant Director of the Institute of Government*
A.B., 1924 (Haverford College); LL.B., 1928 (Harvard); M.A., 1941 (Columbia).

SIDNEY HORNER BLAKELY, M.A., *Instructor in English.*
A.B., 1934, M.A., 1937 (Arkansas).

LOIS MAGDALENE BLANCHETTE, B.A., *Instructor in Physical Education.*
B.A., 1935 (Texas State College for Women).

MARGARET BLEE, M.Ed., *Associate Professor of Maternal and Child Hygiene.*
B.S., 1933 (Missouri); M.Ed., 1941 (Mills College).

‡RALPH STEELE BOGGS, Ph.D., *Professor of Spanish.*
Ph.B., 1926, Ph.D., 1930 (Chicago).

§RICHMOND PUGH BOND, Ph.D., *Professor of English.*
A.B., 1920 (Vanderbilt); A.M., 1923, Ph.D., 1929 (Harvard).

*ALLEN THOMAS BONNELL, Ph.D., *Assistant Professor of Economics.*
B.A., 1933, M.A., 1934 (Oberlin College); Ph.D., 1937 (Illinois).

JOHN MANNING BOOKER, Ph.D., *Professor of English.*
A.B., 1901 (Johns Hopkins); Ph.D., 1912 (Heidelberg).

*ARNOLD BORDEN, A.B., *Instructor in Art.*
A.B., 1937 (North Carolina).

RALPH WALTON BOST, Ph.D., *Smith Professor of Chemistry.*
A.B., 1923 (Newberry); A.M., 1924, Ph.D., 1928 (North Carolina).

WILLIAM BRACY, A.M., *Instructor in English.*
A.B., 1936, A.M., 1939 (North Carolina).

‖FRANCIS FOSTER BRADSHAW, Ph.D., *Dean of the College for War Training and Professor of Philosophy.*
A.B., 1916 (North Carolina); M.A., 1926, Ph.D., 1930 (Columbia).

¶HENRY PARKER BRANDIS, JR., A.B., LL.B., *Associate Professor of Law.*
A.B., 1928 (North Carolina); LL.B., 1931 (Columbia).

ALFRED THEODOR BRAUER, Ph.D., *Associate Professor of Mathematics.*
Ph.D., 1928 (Berlin).

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* Absent on leave in military service.
† Resigned May 1, 1946.
‡ Absent on leave, February, 1945, to March, 1946.
§ Returned from war leave November 1, 1945.
‖ Absent on leave April, 1945, to December 15, 1945; resigned December 15, 1945.
¶ Returned from military service December 1, 1945.

EDWARD ARMOND BRECHT, Ph.D., *Associate Professor of Pharmacy.*
B.S. in Pharmacy, 1933, M.S., 1934, Ph.D., 1939 (Minnesota).

MILLARD BRECKENRIDGE, Ph.B., LL.B., *Professor of Law.*
Ph.B., 1917 (Chicago); LL.B., 1918 (Yale).

EARLE W. BROCKMAN, JR., A.B., *Instructor in French.*
A.B., 1940 (North Carolina).

LEE MARSHALL BROOKS, Ph.D., *Professor of Sociology.*
A.B., 1925 (Boston); A.M., 1926, Ph.D., 1929 (North Carolina).

*CLARK EDWARD BROWN, B.S., M.D., *Associate Professor of Pathology.*
B.S., 1926 (St. Lawrence); M.D., 1930 (Pennsylvania).

PAUL LOWRY BROWN, Ph.D., *Assistant Professor of Marketing.*
B.S., 1937 (Illinois); M.S., 1941 (Oklahoma A.&M.); Ph.D., 1944 (Ohio State).

ROY MELTON BROWN, Ph.D., *Professor of Public Welfare Administration.*
A.B., 1906, A.M., 1921, Ph.D., 1929 (North Carolina).

†EDWARD TANKARD BROWNE, Ph.D., *Professor of Mathematics*
B.A., 1915, M.A., 1917 (Virginia); Ph.D., 1926 (Chicago).

‡DANIEL HOUSTON BUCHANAN, Ph.D., *Professor of Economics.*
Litt.B., 1909 (Sterling College); A.B., 1911 (Colorado College); A.M., 1912 (Harvard); D.Sc.Econ., 1928 (Keiogijuku Univ., Tokyo); Ph.D., 1931 (Harvard).

ALBERT HUNTER BUFORD, M.A., *Part-time Instructor in English.*
A.B., 1934, M.A., 1937 (Tennessee).

JAMES BELL BULLITT, A.M., M.D., *Professor of Pathology.*
B.A., 1894, M.A., 1895 (Washington and Lee); M.D., 1897 (Virginia).

WILLIAM GREEN BURKS, M.A., *Instructor in Spanish.*
A.B., 1928 (Mississippi); M.A., 1935 (Alabama).

HENRY MATTHEW BURLAGE, Ph.D., *Professor of Pharmacy.*
A.B., 1919 (Indiana); A.M., 1921 (Harvard); Ph.G., B.S. in Pharm., 1924 (Purdue); Ph.D., 1927 (Washington).

§ROBERT BURROWS, A.M., *Assistant Professor of Dramatic Art and Technical Director of the Carolina Playmakers.*
A.B., 1928 (College of Puget Sound); A.M., 1940 (Washington).

||GEORGE JENNINGS BRYAN, B.S., *Part-time Instructor in Chemistry.*
B.S., 1944 (South Carolina).

WALLACE EVERETT CALDWELL, Ph.D., *Professor of Ancient History.*
A.B., 1910 (Cornell); Ph.D., 1919 (Columbia).

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* Resigned November 1, 1945.
† Absent in government service September 1, 1945 to March 1, 1946.
‡ Absent on leave in government service fall quarter, 1945.
§ Resigned June 1, 1946.
|| Appointed November, 1945.

*RICHARD PERCIVAL CALHOON, M.A., *Professor of Business Administration.*
A.B., 1930, M.A., 1932 (University of Pittsburgh).

†EDWARD ALEXANDER CAMERON, Ph.D. *Associate Professor of Mathematics.*
A.B. in Education, 1928, A.M., 1929, Ph.D., 1936 (North Carolina).

FRANK KENNETH CAMERON, Ph.D., *Professor of Chemistry.*
A.B., 1891, Ph.D., 1894 (Johns Hopkins).

DUDLEY DEWITT CARROLL, M.A., *Professor of Economics and Dean of the School of Commerce.*
A.B., 1907 (Guilford); A.B., 1908 (Haverford); M.A., 1915 (Columbia).

‡HEZEKIAH WYNDOL CARROLL, B.S., *Associate Professor of Naval Science and Tactics.*
B.S., 1921 (U.S. Naval Academy).

§JOHN ERWIN CARROLL, JR., A.M., *Instructor in French.*
B.S., 1923 (The Citadel); A.M., 1928 (North Carolina).

||CLYDE CASS CARTER, Ph.D., *Visiting Lecturer in Business Law and Political Science.*
A.B., 1925 (Emory and Henry); M.A., 1928 (Vanderbilt); LL.B., 1935 (Wilmington Law School); Ph.D., 1942 (North Carolina).

ISABELLE KIRKLAND CARTER, B.S., M.S.S., *Associate Professor of Social Work.*
B.S., 1924 (Boston); M.S.S., 1925 (Smith College School of Social Work).

CORNELIUS OLIVER CATHY, M.A., *Instructor in History.*
A.B., 1928, M.A., 1929 (Davidson).

WILLIAM JAMES CHANDLER, A.M., *Instructor in English.*
A.B., 1931, A.M., 1932 (North Carolina).

¶EMIL THEODORE CHANLETT, M.S., *Assistant Professor of Sanitary Science.*
B.S., 1937 (College of the City of New York); M.S. in Public Health, 1939 (Columbia); M.S. in Sanitary Engineering, 1941 (North Carolina).

PHILIP MACON CHEEK, Ph.D., *Instructor in English.*
A.B., 1927, A.M., 1928, Ph.D., 1931 (North Carolina).

LOUIS ASHWORTH CHERRY, B.A., S.B. in L.S., *Librarian and Assistant Director of the Institute of Government.*
B.A., 1940 (Wake Forest); S.B. in Libr.Sci., 1941 (Drexel Institute of Technology).

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* Appointed March, 1946.
† Returned from war leave January 1, 1946.
‡ Resigned February 22, 1946.
§ Absent on leave in military service.
|| Appointed January, 1946.
¶ Appointed May 15, 1946.

ANN ELIZABETH CLARK, B.S., *Part-time Instructor in Chemistry.*
B.S., 1945 (Westhampton College).

ALBERT COATES, A.B., LL.B., *Professor of Law and Director of the Institute of Government.*
A.B., 1918 (North Carolina); LL.B., 1923 (Harvard).

WILLIAM MCWHORTER COCHRANE, A.B., LL.B., *Assistant Director of the Institute of Government.*
A.B., 1939, LL.B., 1941 (North Carolina).

FREDERIC EDWARD COENEN, Ph.D., *Associate Professor of German and Adviser in the General College.*
A.B., 1928, A.M., 1930 (Arizona); Ph.D., 1936 (North Carolina).

OSCAR JACKSON COFFIN, A.B., *Professor of Journalism.*
A.B., 1909 (North Carolina).

*GEORGE RALEIGH COFFMAN, Ph.D. *Kenan Professor of English.*
A.B., 1903 (Drake); A.M., 1909 (Harvard); Ph.D., 1913 (Chicago).

ROBERT ERVIN COKER, Ph.D., *Kenan Professor of Zoology.*
S.B., 1896, A.M., 1897 (North Carolina); Ph.D., 1906 (Johns Hopkins).

WILLIAM CHAMBERS COKER, Ph.D., LL.D., *Kenan Research Professor Emeritus of Botany.*
B.S., 1894 (South Carolina); Ph.D., 1901 (Johns Hopkins); LL.D. (South Carolina).

ROBERT DIGGES WIMBERLY CONNOR, Ph.B., LL.D., D.Litt., *Craige Professor of Jurisprudence and History.*
Ph.B., 1899 (North Carolina); LL.D. (Duke, North Carolina); D.Litt. (Lenoir-Rhyne).

KATHRYN G. COOK, M.A., *Assistant Professor of Education and Vocational Counsellor to Women.*
A.B., 1932 (Transylvania College); M.A., 1941 (Columbia).

OLAN VICTOR COOK, A.B., A.B. in Library Science. *Associate Professor, Assistant Librarian, and Curator of Rare Books.*
A.B., 1929, A.B. in Library Science, 1932 (North Carolina).

ALBERT DERWIN COOPER, A.B., M.D., *Instructor in Medicine.*
A.B., 1932, M.D., 1931 (George Washington).

OLIVER KELLY CORNWELL, M.A., *Professor of Physical Education and Director of Physical Education for Men.*
A.B., 1920 (Wittenberg College); M.A., 1929 (Ohio State).

DONALD PAUL COSTELLO, Ph.D., *Professor of Zoology.*
A.B., 1930 (College of the City of Detroit); Ph.D., 1934 (Pennsylvania).

LYMAN ATKINSON COTTEN, Ph.D., *Assistant Professor of English.*
A.B., 1936 (North Carolina); Ph.D., 1941 (Yale).

JOHN NATHANIEL COUCH, Ph.D., *Kenan Professor of Botany.*
A.B., 1919, A.M., 1922, Ph.D., 1924 (North Carolina).

* Absent on leave November 1, 1945, to March 1, 1946.

DUDLEY JOHNSTONE COWDEN, Ph.D., *Professor of Economic Statistics.*
A.B., 1919 (Grinnell College); A.M., 1922 (Chicago); Ph.D., 1931 (Columbia).

HARDIN CRAIG, Ph.D., Litt.D., *Professor of English.*
A.B., 1897 (Centre College); A.M., 1899, Ph.D., 1901 (Princeton); Litt.D. (Centre College).

HARRY WOLVEN CRANE, Ph.D., *Professor of Psychology and Psychological Consultant.*
A.B., 1909, A.M., 1910, Ph.D., 1913 (Michigan).

*WALTER DEVEREAUX CREECH, A.M., *Instructor in French.*
A.B., 1928, A.M., 1930 (North Carolina); Certificate, University of Lyons (1932), University of Bordeaux (1933).

†HORACE DOWNS CROCKFORD, Ph.D., *Professor of Chemistry.*
B.S., 1920 (N. C. State College of Agriculture and Engineering); S.M., 1923, Ph.D., 1926 (North Carolina).

JAY LEUMAS CURTIS, Ph.D., *Instructor in English.*
A.B., 1938, A.M., 1942, Ph.D., 1946 (North Carolina).

‡JOHN PERCY DALZELL, A.B., LL.B., *Associate Professor of Law.*
A.B., 1922, LL.B., 1924 (Minnesota).

WILLIAM JOHN DANIEL, Ph.D., *Assistant Professor of Psychology.*
A.B., 1938 (Antioch College); Ph.D., 1941 (North Carolina).

WILLIAM MOYE DARDEN, A.B., *Instructor in Social Science.*
A.B., 1942 (North Carolina).

JOHN FREDERICK DASHIELL, Ph.D., *Kenan Professor of Psychology.*
B.S., 1908, B.Litt., 1909 (Evansville College); M.A., 1910, Ph.D., 1913 (Columbia).

§HARRY ELLERBE DAVIS, M.A., *Assistant Professor of Dramatic Art and Assistant Director of the Carolina Playmakers.*
A.B., 1927 (South Carolina); M.A., 1940 (Columbia).

GORO ABDULLAH DEEB, M.A., *Part-time Instructor in Political Science.*
B.A., 1941, M.A., 1942 (Colorado).

GEORGE HARVEY DEMING, A.B., *Part-time Instructor in Political Science.*
A.B., 1936 (Middlebury College).

WILLIAM MORTON DEY, Ph.D., *Kenan Professor of the Romance Languages and Literatures.*
B.A., M.A., 1902 (Virginia); A.M., 1904, Ph.D., 1906 (Harvard).

NESTORE DICOSTANZO, A.M., *Technician in Physics.*
A.B., 1935, A.M., 1940 (North Carolina).

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* Absent on leave in military service.
† Absent on leave in military service June, 1942 to November 1945.
‡ Absent on leave in government service February 1, 1943 to June 13, 1946.
§ Returned from military service March 1, 1946.

JAMES TALMAGE DOBBINS, Ph.D., *Professor of Chemistry.*
A.B., 1911, A.M., 1912, Ph.D., 1914 (North Carolina).

JUNIUS ELMORE DOVELL, M.A., *Instructor in Social Science.*
A.B., 1933, M.A., 1934 (Stetson).

WILFRED SELLERS DOWDEN, M.A., *Part-time Instructor in English.*
B.A., 1939, M.A., 1940 (Vanderbilt).

BERTRAM MORRIS DRUCKER, A.M., *Instructor in Mathematics and Psychology.*
A.B., 1940, A.M., 1946 (North Carolina).

*FRANK MARION DUFFEY, A.M., *Instructor in Spanish.*
A.B., 1938 (Miami); A.M., 1940 (North Carolina).

†JAMES E. DUFFY, A.B., *Instructor in Spanish*
A.B., 1945 (North Carolina).

‡WARREN ETHAN DURIN, B.S., *Assistant Professor of Naval Science and Tactics.*
B.S., 1933 (Northwestern).

JOHN EDWARD DYKSTRA, C.E., M.B.A., D.C.S., *Associate Professor of Business Administration.*
C.E., 1930 (Rensselaer); M.B.A., 1932, D.C.S., 1936 (Harvard).

FLOYD HARRIS EDMISTER, Ph.D., *Associate Professor of Chemistry and Adviser in the General College.*
B.S., 1912 (Syracuse); M.S., 1913 (Louisiana State); Ph.D., 1918 (Syracuse).

§LOUIS H. EDMONDSON, A.M., *Assistant Professor of Journalism.*
B.J., 1936, A.M., 1940 (Missouri).

GERTRUDE EHRLICH, B.S., *Part-time Instructor in Mathematics.*
B.S., 1943 (Georgia State College for Women).

CHARLES RAY ELLIOTT, A.B., *Instructor in Psychology.*
A.B., 1940 (Albion).

FRED WILSON ELLIS, Ph.D., *Assistant Professor of Pharmacology.*
B.S., 1936 (South Carolina); Ph.D., 1941 (Maryland).

STEPHEN ALBERT EMERY, Ph.D., *Professor of Philosophy.*
A.B., 1923, Ph.D., 1928 (Cornell).

SAMUEL THOMAS EMORY, Ph.D., *Professor of Geography.*
A.B., 1917, A.M., 1918 (Randolph-Macon College); M.A., 1921 (Columbia); Ph.D., 1939 (Chicago).

||WILLIAM LOUIS ENGELS, Ph.D., *Associate Professor of Zoology.*
B.S., 1930 (Notre Dame); Ph.D., 1937 (California).

ALFRED GARVIN ENGSTROM, Ph.D., *Assistant Professor of French.*
A.B., 1933, A.M., 1935, Ph.D., 1941 (North Carolina).

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* Returned from war leave March 1, 1946.
† Appointed November 1, 1945; resigned March 1, 1946.
‡ Resigned January 12, 1946.
§ Resigned June 1, 1946.
|| Returned from war leave November 1, 1945.

PRESTON HERSCHEL EPPS, Ph.D., *Professor of Greek.*
A.B., 1915, A.M., 1917 (North Carolina); Ph.D., 1928 (Chicago).

*CHARLES PERRY ERICKSON, B.S., in Civ. Eng'g., *Assistant Director of Athletics and Instructor in Physical Education.*
B.S. in Civ. Eng'g., 1931 (North Carolina).

FRANKLIN CARL ERICKSON, Ph.D., *Professor of Geology and Geography.*
A.B., 1928, A.M., 1930, Ph.D., 1935 (Clark).

ESTON EVERETT ERICSON, Ph.D., *Professor of English.*
B.A., 1923 (Montana); M.A., 1925 (Maryland); Ph.D. 1928 (Johns Hopkins).

†JAMES GILBERT EVANS, M.A., *Associate Professor of Economics.*
A.B., 1921 (Simpson College); M.A., 1924 (Illinois).

‡MARIBELLE GUIN FARLOW, M.S. in Public Health, *Instructor in Public Health Education.*
B.S., 1942 (Woman's College, Univ. of N. C.); M.S. in Public Health, 1944 (North Carolina).

PRESTON COOKE FARRAR, M.A., *Professor Emeritus of Education.*
A.B., 1891 (Washington and Jefferson College); M.A., 1904 (Columbia).

JOHN HOWARD FERGUSON, M.A., M.D., L.M.S.S.A., *Professor of Physiology.*
B.A., 1921 (Capetown); B.A., 1925, M.A., 1931 (Oxford); M.D., 1928 (Harvard); L.M.S.S.A., 1931 (London).

†JAMES WILLIAM FESLER, Ph.D., *Professor of Political Science.*
A.B., 1932 (Minnesota); A.M., 1933, Ph.D., 1935 (Harvard).

ROBERT ALLISON FETZER, B.S., M.A., B.S. in Ch. and E.E., *Director of Physical Education and Athletics.*
B.S., 1907, M.A., 1908 (Davidson College); B.S. in Ch. and Elec. Eng'g., 1909 (Clemson).

ARTHUR EMIL FINK, Ph.D., *Professor of Social Work and Director of the Division of Public Welfare and Social Work.*
A.B., 1924, A.M., 1930, Ph.D., 1936 (Pennsylvania), M.S.W., 1937 (Pennsylvania School of Social Work).

§T. ROSS FINK, A.M., *Instructor in Education.*
A.B., 1926 (Swarthmore); A.M., 1942 (North Carolina).

FOSTER FITZ-SIMONS, A.B., *Assistant Professor of Dramatic Art.*
A.B., 1934 (North Carolina).

||RALPH GIBSON FLEMING, M.D., *Instructor in Medicine.*
M.D., 1936 (Pennsylvania).

¶WILLIAM LEROY FLEMING, B.A., M.S., M.D., *Research Professor of Syphilology in the School of Public Health.*
B.A., 1925, M.S. in Bacteriology, 1927, M.D., 1932 (Vanderbilt).

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* Returned from war leave November 1, 1945.
† Absent on leave in government service.
‡ Appointed September, 1945.
§ Absent on leave in military service.
|| Returned from war leave May, 1946.
¶ Resigned December 31, 1945.

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*ARTHUR JAMES FOSTER, B.S., *Part-time Instructor in Chemistry.*
B.S., 1943 (Virginia Polytechnic Institute).

GERALDINE ALMA FOSTER, A.M., *Assistant Dean of the College of Arts and Sciences.*
B.S., 1931 (St. Lawrence); A.M., 1942 (North Carolina).

FRANCES HILL FOX, A.B., M.D., *Instructor in Medicine.*
A.B., 1931 (Duke); M.D., 1935 (Pennsylvania).

†HERBERT JUNIUS FOX, A.B., M.D., *Instructor in Medicine.*
A.B., 1931 (North Carolina); M.D., 1935 (Duke).

‡KEENER CHAPMAN FRAZER, A.M., *Professor of Political Science.*
A.B., 1920 (Wofford College); A.M., 1921 (North Carolina).

WERNER PAUL FRIEDERICH, Ph.D., *Associate Professor of German and Comparative Literature.*
A.M., 1929, Ph.D., 1932 (Harvard).

KARL HARTLEY FUSSLER, Ph.D., *Professor of Physics.*
A.B., 1909 (Indiana); Ph.D., 1916 (Pennsylvania).

LOFTON LEROY GARNER, A.M,. *Associate Professor of Mathematics.*
A.B., 1925, A.M., 1927 (North Carolina).

MITCHELL BENNETT GARRETT, Ph.D., LL.D,. *Professor of Modern European History.*
A.B., 1900, A.M., 1903 (Howard College); Ph.D., 1910 (Cornell); LL.D. (Howard College).

§PEGGIE BIRD GARRISON, B.S,. *Part-time Instructor in Chemistry.*
B.S., 1944 (Piedmont College).

OSCAR DAVID GARVIN, M.D., M.P.H., *University Health Officer.*
M.D., 1932 (Medical College of the State of South Carolina); M.P.H., 1939 (Johns Hopkins).

ALBERT CLARKE GASKILL, S.B.Comm., *Instructor in Accounting.*
S.B.Comm., 1943 (North Carolina).

ROBERT HUGH GAUGH, M.A., *Part-time Instructor in English.*
A.B., 1932 (Union University); M.A., 1937 (Vanderbilt)

||LYNN GAULT, A.M., *Instructor in Dramatic Art.*
B.A., 1937 (Hiram College); A.M., 1939 (North Carolina).

WESLEY CRITZ GEORGE, Ph.D., *Professor of Histology and Embryology.*
A.B., 1911, A.M., 1912, Ph.D., 1918 (North Carolina).

BERNARDO GICOVATE, A.B., *Instructor in Spanish.*
D. en Letras, 1943 (Buenos Aires); A.B., 1945 (Bowdoin).

HUGO GIDUZ, A.B., *Professor of Education.*
A.B., 1905 (Harvard).

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* Appointed March, 1946.
† Returned from war leave January, 1946.
‡ Returned from war leave November 1, 1945.
§ Appointed November, 1945.
|| Returned from war leave March 1, 1946.

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FREDERICO GUILLERMO GIL, D.Pol.Sci., J.D., *Assistant Professor of Political Science.*
D.Pol.Sci., 1940, J.D., 1938 (Havana).

*JAMES PERCIVAL GILL, A.B., *Assistant Football Coach and Instructor in Physical Education.*
A.B., 1934 (Missouri).

JAMES LOGAN GODFREY, Ph.D., *Associate Professor of History and Adviser in the General College.*

†GORDON MURRAY GOODALE, B.S., *Part-time Instructor in Chemistry.*
B.S., 1945 (Clemson).

EDGAR HUNT GOOLD, JR., A.M., *Part-time Instructor in English.*
A.B., 1939, A.M., 1941 (North Carolina).

‡HAROLD BENEDICT GOTAAS, M.S., *Professor of Sanitary Engineering.*
B.S. in C.E., 1928 (South Dakota); M.S. in C.E., 1930 (Iowa State College); M.S. in San. Eng'g., 1937 (Harvard).

JOHN LEWIS GOUGER, B.S., in Comm., *Part-time Instructor in Commerce.*
B.S. in Comm., 1937 (North Carolina).

WILLIAM ALEXANDER GRAHAM, A.B., M.D., *Lecturer in Obstetrics.*
A.B., 1928 (North Carolina); M.D., 1932 (Pennsylvania).

FLETCHER MELVIN GREEN, Ph.D., *Kenan Professor of History.*
Ph.B., 1920 (Emory); A.M., 1922, Ph.D., 1927 (North Carolina).

§PAUL ELLIOTT GREEN, A.B., *Professor of Dramatic Art.*
A.B., 1921 (North Carolina).

MAURICE HERZBERGER GREENHILL, A.B., M.D., *Visiting Associate Professor of Neuro-Psychiatry.*
A.B., 1931 (Rochester); M.D., 1936 (Chicago).

‖ARTHUR GWYNN GRIFFIN, M.A., *Visiting Lecturer in Economics.*
A.B., 1921, M.A., 1923 (North Carolina).

JANE GRILLS, M.A., *Part-time Instructor in Dramatic Art.*
A.B., 1941, M.A., 1943 (Michigan).

ALAN PENDLETON GRIMES, A.B., *Part-time Instructor in Political Science.*
A.B., 1941 (North Carolina).

ERNEST RUTHERFORD GROVES, B.D., A.B., Litt.D., L.H.D., *Professor of Sociology.*
B.D., 1901 (Yale); A.B., 1903 (Dartmouth College); Litt.D. (Florida Southern College); L.H.D. (Boston University).

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* Appointed January, 1946.
† Appointed November, 1945.
‡ Resigned May, 1946.
§ Absent on leave.
‖ Apointed January, 1946.

FRANZ GUTMANN, D.Ec., *Lecturer in Economics.*
D.Ec., 1903 (Strassburg).

JOHN MINOR GWYNN, Ph.D., *Professor of Education.*
A.B., 1918, A.M., 1927 (North Carolina); Ph.D., 1935 (Yale).

*MARGARET JARMAN HAGOOD, Ph.D., *Associate Professor of Sociology and Statistical Technician in the Institute for Research in Social Science.*
A.B., 1929 (Queens College); M.A., 1930 (Emory); Ph.D., 1937 (North Carolina).

JOSEPH GREGOIRE DEROULHAC HAMILTON, Ph.D., Litt.D., *Kenan Professor of American History and Political Science and Director of the Southern Collection.*
M.A., 1900 (University of the South); Ph.D., 1906 (Columbia); Litt.D. (University of the South, Washington and Lee).

†FRANKLIN WILLIAM HANFT, A.B., S.J.D., *Professor of Law.*
LL.B., 1924, A.B., 1929, LL.M., 1929 (Minnesota); S.J.D., 1931 (Harvard).

‡HAROLD DALE HANNAN, B.S., *Part-time Instructor in Chemistry.*
B.S., 1943 (Ohio State).

JACQUES HARDRÉ, A.M., *Instructor in French.*
Bacc.Sciences-Langues, 1936 (Paris); A.B., 1937 (Guilford); A.M., 1941 (North Carolina).

JAMES PENROSE HARLAND, Ph.D., *Professor of Archaeology.*
A.B., 1913, A.M., 1915, Ph.D., 1920 (Princeton).

WALTER DARE HARRELL, A.B., *Apparatus Custodian in Physics.*
A.B., 1926 (North Carolina).

§JOHN WILBUR HARRINGTON, B.S., in Mining Eng'g., *Instructor in Geology.*
B.S., 1940 (Virginia Polytechnic Institute).

||ROBERT CHARLES HARRINGTON, JR., B.S. in Chem., *Part-time Instructor in Chemistry.*
B.S. in Chem., 1941 (North Carolina).

FREDERICK HOLLADAY HARRIS, JR., A.M., *Part-time Instructor in Political Science.*
A.B., 1934 (Randolph-Macon); A.M., 1943 (North Carolina).

EARL HORACE HARTSELL, Ph.D., *Associate Professor of English.*
A.B., 1924, A.M., 1935, Ph.D., 1942 (North Carolina).

RUTH WARWICK HAY, M.S., *Professor of Public Health Nursing.*
B.A., 1916 (Ohio Wesleyan); M.S., 1925 (Western Reserve).

GLEN HAYDON, Ph.D., *Professor of Music.*
A.B., 1918, M.A., 1921 (California); Ph.D., 1932 (Vienna).

¶EDWARD EVERETT HAZLETT, JR., B.S., *Professor of Naval Science and Tactics.*
B.S., 1915 (U. S. Naval Academy).

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* Resigned March 15, 1946.
† Absent on leave in government service December 1, 1943, to November 1, 1945.
‡ Appointed September, 1944.
|| Appointed March, 1946.
§ Appointed March, 1946.
¶ Resigned December 8, 1945.

BUNN HEARN, *Instructor in Physical Education.*

MILTON SIDNEY HEATH, Ph.D,. *Professor of Economics.*
A.B., 1918 (Kansas); A.M., 1924, Ph.D., 1938 (Harvard).

EDWARD MCGOWAN HEDGPETH, A.B., M.D., *University Physician and Instructor in Medicine.*
A.B., 1927 (North Carolina); M.D., 1931 (Pennsylvania).

CLARENCE HEER, Ph.D., *Kenan Professor of Economics.*
A.B., 1914 (Rochester); Ph.D., 1926 (Columbia).

ARCHIBALD HENDERSON, Ph.D., D.C.L., LL.D., Litt.D., *Kenan Professor of Mathematics.*
A.B., 1898, A.M., 1899, Ph.D., 1902 (North Carolina); Ph.D., 1915 (Chicago); D.C.L. (University of the South); LL.D. (Tulane, William and Mary); Litt.D. (Oglethorpe, Catawba).

ARCHIBALD HENDERSON, JR., A.M., *Part-time Instructor in English.*
A.B., 1937, A.M., 1941 (North Carolina).

HANFORD MEAD HENDERSON, A.B., *Part-time Instructor in English.*
A.B., 1940 (Haverford).

HARRIET LAURA HERRING, A.M., *Associate Professor of Sociology.*
A.B., 1913 (Meredith College); A.M., 1918 (Radcliffe).

ERVIN PAUL HEXNER, D.Pol.Sci., J.D., *Professor of Political Science.*
D.Pol.Sci., 1918 (Kolozsvar); J.D., 1919 (Bratislava).

EDWIN PEELLE HIATT, Ph.D., *Associate Professor of Physiology.*
A.B., 1933 (Wilmington College); M.A., 1934 (Haverford); Ph.D., 1940 (Maryland).

THOMAS FELIX HICKERSON, A.M., S.B., *Kenan Professor of Applied Mathematics.*
Ph.B., 1904, A.M., 1907 (North Carolina); S.B. in Civ. Eng'g., 1909 (Massachusetts Institute of Technology).

*MICHAEL ARENDELL HILL, JR., A.M., *Professor of Mathematics and Adviser in the General College.*
A.B., 1920, A.M., 1921 (North Carolina).

ALLAN WILSON HOBBS, Ph.D., *Professor of Applied Mathematics and Dean of the College of Arts and Sciences.*
A.B., 1907 (Guilford College); A.B., 1908 (Haverford); Ph.D., 1917 (Johns Hopkins).

RICHARD JUNIUS MENDENHALL HOBBS, A.B., LL.B., *Professor of Business Law.*
A.B., 1909 (Guilford College); A.B., 1911 (Haverford); LL.B., 1914 (Columbia).

SAMUEL HUNTINGTON HOBBS, JR., Ph.D., *Professor of Rural-Social Economics.*
A.B., 1916, A.M., 1917 (North Carolina); Ph.D., 1929 (Wisconsin).

* Returned from war leave November 1, 1945.

EDWARD TWYMAN HODGES, A.B., *Lecturer in Mathematics.*
A.B., 1943 (North Carolina).

RUSSELL LOWELL HOLMAN, A.B., M.D., *Professor of Pathology.*
A.B., 1927 (Washington University); M.D., 1931 (Vanderbilt).

URBAN TIGNER HOLMES, JR., Ph.D., *Kenan Professor of Romance Philology.*
A.B., 1920 (Pennsylvania); A.M., 1921, Ph.D., 1923 (Harvard).

*GEORGE FREDERICK HORNER, Ph.D,. *Assistant Professor of English.*
B.A., 1921, M.A., 1924 (Pennsylvania State College); Ph.D., 1938 (North Carolina).

FRANCES RAPPAPORT HORWICH, Ph.D., *Visiting Lecturer in Education and Extension.*
Ph.B., 1929 (Chicago); M.A., 1933 (Columbia); Ph.D., 1942 (Northwestern).

HENRY CHARLES HOUSE, JR., A.M., *Assistant Professor in Physical Education.*
A.B., 1931, A.M., 1943 (North Carolina).

ALMONTE CHARLES HOWELL, Ph.D., *Professor of English and Secretary of the Faculty.*
A.B., 1917 (Denison); M.A., 1920 (Columbia); Ph.D., 1924 (North Carolina).

†VINTON ASBURY HOYLE, Ph.D., *Associate Professor of Mathematics.*
A.B., 1924, A.M., 1925 (North Carolina); Ph.D. 1930 (Princeton).

‡JOHN WARFIELD HUDDLE, Ph.D., *Professor of Geology.*
B.S., 1929 (Northwestern); Ph.D., 1934 (Indiana).

ARTHUR PALMER HUDSON, Ph.D., *Professor of English.*
B.S., 1913, M.A., 1920 (Mississippi); A.M., 1925 (Chicago); Ph.D., 1930 (North Carolina).

ROBERT DOUGLAS HUME, A.M., *Assistant Professor of Dramatic Art.*
A.B., 1929 (California); A.M., 1935 (North Carolina).

§WITOLD HUREWICZ, Ph.D., *Assistant Professor of Mathematics.*
Ph.D., 1926 (Vienna).

||BEN HUSBANDS, A.B., *Registrar and Examiner.*
A.B., 1927 (North Carolina).

HOWARD RUSSELL HUSE, Ph.D., *Professor of Romance Languages.*
Ph.B., 1913, Ph.D., 1930 (Chicago).

¶JOHN ELI IVEY, JR., Ph.D., *Associate Professor of Sociology and Director of the Division of Research Interpretation, Institute for Research in Social Science.*
A.B., 1940 (Alabama Polytechnic Institute); Ph.D., 1945 (North Carolina).

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* Returned from war leave March 25, 1946.
† On leave in military service.
‡ Returned from war leave November, 1945.
§ On leave in government service; resigned September 26, 1945.
|| Absent on leave from May, 1944.
¶ Appointment effective July 1, 1946.

MARION LEE JACOBS, Ph.D., *Professor of Pharmaceutical Chemistry and Acting Dean of the School of Pharmacy.*
Ph.C., 1921 (North Carolina); B.S. in Pharm., 1925, M.Sc., 1926 (Nebraska); Ph.D., 1937 (Maryland).

*RICHARD ELMER JAMERSON, M.A., *Associate Professor of Physical Education.*
B.S. in Phys. Educa., 1932 (The Rice Institute); M.A. in Phys. Educa., 1934 (Teachers College, Columbia).

WALTER GAFFORD JAMES, A.B., *Instructor in Physical Education.*
A.B., 1941 (North Carolina).

GEORGE JENKINS, A.B., *Instructor in Physics.*
A.B., 1943 (Berea College).

†WILLIAM SUMNER JENKINS, Ph.D., LL.B., *Professor of Political Science.*
A.B., 1924, A.M., 1925, Ph.D., 1927, LL.B., 1931 (North Carolina).

RICHARD JENTE, Ph.D., *Professor of the Germanic Languages and Literatures.*
A.B., 1910; A.M., 1911 (Yale); Ph.D., 1917 (Heidelberg).

KATHARINE JOCHER, Ph.D., *Professor of Sociology and Assistant Director of the Institute for Research in Social Science.*
A.B., 1922 (Goucher College); A.M., 1923 (Pennsylvania); Ph.D., 1929 (North Carolina).

CECIL JOHNSON, Ph.D., *Associate Professor of History and Dean of the General College.*
A.B., 1922 (Mississippi College); M.A., 1924 (Virginia); Ph.D., 1932 (Yale).

‡GUY BENTON JOHNSON, Ph.D., *Professor of Sociology.*
A.B., 1921 (Baylor); A.M., 1922 (Chicago); Ph.D., 1927 (North Carolina).

JOHN STANLEY JOHNSON, A.M., *Lecturer in Physics.*
A.B., 1923 (Wake Forest College); A.M., 1942 (North Carolina).

CLAIBORNE STRIBLING JONES, Ph.D., *Assistant Professor of Zoology.*
A.B., 1935 (Hampden-Sydney College); M.A., 1940, Ph.D., 1944 (Virginia).

NICHOLAS TEYNAC JOOST, A.M., *Part-time Instructor in English.*
B.S., 1938 (Georgetown); A.M., 1939 (North Carolina).

ARTHUR MELVILLE JORDAN, Ph.D., *Professor of Educational Psychology.*
A.B., 1907 (Randolph-Macon College); A.M., 1909 (Trinity College); Ph.D., 1919 (Columbia).

KAI H. JURGENSEN, A.M., *Assistant Professor of Dramatic Art.*
A.B., 1937 (Montana); A.M., 1943 (North Carolina).

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* Returned from war leave March, 1946.
† Returned from war leave November, 1945.
‡ Absent on leave in government service.

LOUIS OSGOOD KATTSOFF, Ph.D., *Associate Professor of Philosophy.*
A.B., 1929, A.M., 1930, Ph.D., 1934 (Pennsylvania).

MARY FRANCES KELLAM, B.S.P.E., *Instructor in Physical Education.*
B.S.P.E., 1944 (Woman's College, U. N. C.).

JOHN ESTEN KELLER, A.M., *Instructor in Spanish.*
A.B., 1940, A.M., 1942 (Kentucky).

LUCILE KELLING, A.B., B.L.S., *Associate Professor of Library Science.*
A.B., 1917 (Whitman College); B.L.S., 1921 (New York State Library School).

JOHN FAWCETT KENFIELD, *Instructor in Physical Education.*

*GEORGE ROBERT KEYS, A.M., *Instructor in Spanish.*
A.B., 1939 (Florida Southern College); A.M., 1940 (North Carolina).

ARNOLD KIMSEY KING, A.M., *Professor of Education and Associate Dean of the Graduate School.*
A.B. in Educ., 1925 (North Carolina); A.M., 1927 (Chicago).

†BENJAMIN FREEMAN KINGSBURY, Ph.D., M.D., D.Sc., *Guest Professor of Anatomy.*
A.B., 1893 (Butchtel College); M.S., 1894, Ph.D., 1895 (Cornell); M.D., 1904 (FreiBurg); D.Sc. (Bowdoin).

ROBERT STARR KINSMAN, A.B., *Instructor in English.*
A.B., 1940 (Dartmouth).

‡IRWIN CLARK KITCHIN, Ph.D., *Associate Professor of Zoology.*
B.S., 1931 (Wake Forest College); Ph.D., 1935 (FreiBurg).

DONALD STANLEY KLAISS, B.D., Ph.D., *Associate Professor of Sociology and Adviser in the General College.*
A.B., 1928 (Eureka College); B.D., Ph.D., 1934 (Chicago).

HAROLD EMERSON KLONTZ, A.B., *Instructor in Economics.*
A.B., 1935 (Berea).

MARY PAYSINGER KLONTZ, A.B., S.B. in Lib. Sci., *Instructor in Library Science.*
A.B., 1938 (Columbia College); S.B. in Lib. Sci., 1943 (North Carolina).

EDGAR WALLACE KNIGHT, Ph.D., *Kenan Professor of Education.*
A.B., 1909, A.M., 1911 (Trinity College); Ph.D., 1913 (Columbia).

SAMUEL BRADLEY KNIGHT, Ph.D., *Associate Professor of Chemistry.*
B.S., 1934 (Clemson College); S.M., 1937, Ph.D., 1938 (North Carolina).

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* Returned from leave November 1, 1945.
† Died July 8, 1946.
‡ Returned from war leave January 1, 1946.

*SIGMUND KOCH, Ph.D., *Visiting Lecturer in Psychology.*
A.B., 1938 (N.Y.U.); M.A., 1939 (Iowa); Ph.D., 1942 (Duke).

FRANK JOSEPH KOTTKE, Ph.D., *Visiting Lecturer in Economics.*
A.B., 1937, M.A., 1938 (Northwestern); Ph.D., 1944 (Columbia).

HELMUT KUHN, Ph.D., *Associate Professor of Philosophy.*
Ph.D., 1923 (Breslau).

GRANVIL CHARLES KYKER, Ph.D., *Associate Professor of Biological Chemistry and Nutrition.*
B.S., 1932 (Carson-Newman College); Ph.D., 1938 (North Carolina).

GEORGE SHERMAN LANE, Ph.D., *Professor of Germanic and Comparative Linguistics.*
B.A., 1926, M.A., 1927 (Iowa); Ph.D., 1930 (Chicago).

JOHN EDGAR LARSH, JR., Sc.D., *Associate Professor of Parasitology.*
A.B., 1939, M.S., 1940 (Illinois); Sc.D., 1943 (Johns Hopkins).

JOHN WAYNE LASLEY, JR., Ph.D., *Professor of Pure Mathematics.*
A.B., 1910, A.M., 1911 (North Carolina); Ph.D., 1920 (Chicago).

GEORGE HAROLD LAWRENCE, A.M., *Associate Professor of Social Work.*
A.B., 1919 (Columbia); A.M., 1928 (North Carolina).

ROBERT BAKER LAWSON, M.D., *Associate Professor of Physical Education.*
Student, 1897-1900 (North Carolina); M.D., 1902 (Maryland).

SAMUEL RICHARDSON LEAGER, B.S., LL.B., *Assistant Director of the Institute of Government.*
B.S., 1936, LL.B., 1941 (North Carolina).

MARTIN EDWIN LEAN, A.B., M.A., *Instructor in Philosophy.*
A.B., 1940 (Central YMCA College, Chicago); M.A., 1942 (Nebraska).

JOSEPH MERRITT LEAR, M.A., *Professor of Insurance.*
A.B., 1900, A.M., 1902 (Randolph-Macon College); M.A., 1915 (Columbia).

STURGIS ELLENO LEAVITT, Ph.D., Litt.D., *Kenan Professor of Spanish.*
A.B., 1908 (Bowdoin College); A.M., 1913, Ph.D., 1917 (Harvard); Litt.D. (Bowdoin College, Davidson College).

HERBERT G. LEE, B.S., *Part-time Instructor in English.*
B.S., 1941 (Western North Carolina Teachers College).

HUGH TALMAGE LEFLER, Ph.D., *Professor of History.*
A.B., 1921, A.M., 1922 (Trinity College); Ph.D., 1931 (Pennsylvania).

* September and October, 1945.

ARNOLD JOHN LEHMAN, Ph.D., M.D., *Professor of Pharmacology.*
B.S., 1925, M.S., 1926, Ph.D., 1931 (Washington); M.D., 1936 (Stanford).

JAMES CLINTON LEHR, B.S., *Part-time Instructor in Chemistry.*
B.S., 1944 (Guilford College).

HENRY WILKINS LEWIS, A.B., LL.B., *Assistant Director of the Institute of Government.*
A.B., 1937 (North Carolina); LL.B., 1940 (Harvard).

*ROBERT GUILFORD LEWIS, A.B., *Instructor in French.*
A.B., 1936 (North Carolina).

MARY ANNE LIMOUZE, M.A., *Part-time Instructor in English.*
A.B., 1938, M.A., 1940 (Duke).

JOE BURTON LINKER, Ph.D., *Professor of Mathematics.*
A.B., 1918, A.M., 1920 (North Carolina); Ph.D., 1924 (Johns Hopkins).

†ROBERT WHITE LINKER, Ph.D., *Assistant Professor of French.*
A.B., 1925, A.M., 1928, Ph.D., 1933 (North Carolina).

CHESTER CROWELL LITTLE, A.B., *Assistant Football Coach and Instructor in Physical Education.*
A.B., 1938 (North Carolina).

RUTH LLOYD, A.B., *Part-time Instructor in Chemistry.*
A.B., 1945 (Woman's College of the Univ. of N. C.).

ARTHUR HILL LONDON, S.B., M.D., *Lecturer in Pediatrics.*
S.B., 1925 (North Carolina); M.D., 1927 (Pennsylvania).

DONALD WOODS LOOMIS, B.S., *Professor of Naval Science and Tactics.*
B.S., 1918 (U. S. Naval Academy).

‡HARVARD CHESTER LUKE, B.S., *Instructor in Public Health.*
B.S., 1939 (Idaho).

§ROBERT MAYER LUMIANSKY, Ph.D., *Instructor in English.*
A.B., 1933 (The Citadel); A.M., 1935 (South Carolina); Ph.D., 1942 (North Carolina).

||RUSSELL BERRY HANCOCK LYDDANE, Ph.D., *Associate Professor of Physics.*
Ph.D., 1938 (Johns Hopkins).

¶JOHN CORIDEN LYONS, Ph.D., *Professor of French.*
B.S., 1920, M. A., 1921 (College of William and Mary); Ph.D., 1927 (North Carolina).

FREDERICK BAYS MCCALL, A.B., LL.B., *Professor of Law.*
A.B., 1915 (North Carolina); LL.B., 1928 (Yale).

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* Absent on leave in military service.
† Returned from military service January 1, 1946.
‡ Resigned June, 1946.
§ Returned from war leave fall quarter, 1945; resigned January, 1946.
|| Absent on leave 1944-1945-1946; resigned December, 1945.
¶ Returned from war leave November 1, 1945.

*GERALD RALEIGH MACCARTHY, Ph.D., *Professor of Geology and Geophysics.*
A.B., 1921 (Cornell); A.M., 1924, Ph.D., 1926 (North Carolina).

†ROLAND PRINCE MCCLAMROCH, Ph.D., *Associate Professor of English.*
A.B., 1920, A.M., 1922, Ph.D., 1927 (North Carolina).

RAYMOND RALPH MCCURDY, A.M., *Instructor in Spanish.*
A.B., 1939, A.M., 1941 (Louisiana).

WILLIAM BENSON MCCUTCHEON, M.D., *Lecturer in Surgery.*
M.D., 1921 (Medical College of Virginia).

‡MARTHA KENNARD MCKEE, A.M., *Part-time Instructor in Chemistry.*
A.B., 1942, A.M., 1943 (Texas).

§ROBERT LAMBERT MCKEE, Ph.D., *Assistant Professor of Chemistry.*
B.S., 1938 (Rice Institute); M.A., 1940, Ph.D., 1943 (Texas).

WILLIAM JOHN MCKEE, Ph.D., *Professor of Education in Extension Teaching.*
C.E., 1909 (Cornell); M.A., 1919, Ph.D., 1930 (Columbia).

LOREN CAREY MACKINNEY, Ph.D., *Professor of Medieval History.*
A.B., 1913 (Lawrence College); A.M., 1916 (Wisconsin); Ph.D., 1925 (Chicago).

*WILLIAM ALBERT MCKNIGHT, A.M., *Instructor in Spanish.*
B.S., 1932 (Davidson); A.M., 1937 (North Carolina).

JOHN BLOUNT MACLEOD, A.B., LL.B., *Part-time Instructor in Political Science.*
A.B., 1939 (North Carolina); LL.B., 1922 (Wake Forest).

MURIEL MCLAUCHLIN, M.S.W., *Associate Professor of Social Work.*
A.B., 1923 (California); M.S.W., 1937 (Pennsylvania School of Social Work).

||DOUGALD MACMILLAN, Ph.D., *Professor of English.*
A.B., 1918, A.M., 1920, Ph.D., 1925 (North Carolina).

MALCOLM COOK MCMILLAN, M.A., *Instructor in Social Science.*
A.B., 1935, M.A., 1936 (Alabama).

WILLIAM DEBERNIERE MACNIDER, M.D., Sc.D., LL.D., *Kenan Research Professor of Pharmacology.*
M.D., 1903 (North Carolina); Sc.D. (Medical Coll. of Va.); LL.D. (Davidson).

DEAN WILLIAM MCPHEETERS, M.A., *Instructor in Spanish.*
B.S., 1940 (Illinois); M.A., 1941 (Florida).

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* Returned from government service January 1, 1946.
† Absent on leave.
‡ Appointed November 1945.
§ Appointed January 1, 1946.
|| Returned from military service September 1, 1945.

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DANIEL ALLAN MACPHERSON, Ph.D., *Professor of Bacteriology.*
Ph.B., 1919, Sc.M., 1920 (Brown); Ph.D., 1929 (Chicago).

ERNEST LLOYD MACKIE, Ph.D., *Professor of Mathematics and Acting Dean of Students.*
A.B., 1917 (North Carolina); A.M., 1920 (Harvard); Ph.D., 1927 (Chicago).

*HAROLD JOSEPH MAGNUSON, M.D., M.P.H., *Research Professor of Experimental Medicine.*
A.B., 1934, M.D., 1938 (Southern California); M.P.H., 1942 (Johns Hopkins).

MAVIS ANDRÉE MANN, M.A., *Part-time Instructor in Political Science.*
A.B., 1942, M.A., 1943 (West Virginia).

†ISAAC HALL MANNING, M.D., *Kenan Professor Emeritus of Physiology.*
Student, 1882-1886 (North Carolina); M.D., 1897 (Long Island College of Medicine).

‡ISAAC HALL MANNING, JR., A.B., M.D., *Instructor in Medicine.*
A.B., 1931 (North Carolina); M.D., 1935 (Harvard).

ROY CLIFFORD MARKER, B.S., *Assistant Professor of Naval Science and Tactics.*
B.S., 1943 (California).

EDWIN CARLYLE MARKHAM, Ph.D., *Professor of Chemistry.*
A.B., 1923 (Trinity College); Ph.D., 1927 (Virginia).

§DONALD FRAZER MARTIN, Ph.D., *Assistant Professor of Economics.*
A.B., 1929 (Davidson College); A.M., 1931, Ph.D., 1942 (North Carolina).

||ELWYN ARTHUR MAUCK, Ph.D., *Associated Professor of Political Science and Research Associate in the Institute for Research in Social Science.*
A.B., 1932 (Cornell College); A.M., 1933, Ph.D., 1937 (Columbia).

¶CHARLES STEWART MAURICE, Ph.D., *Part-time Instructor in Geology.*
A.B., 1926 (Princeton); A.M., 1931 (North Carolina); Ph.D., 1936 (Johns Hopkins).

WILLIAM MELVIN MEANS, B.S., *Part-time Instructor in English.*
B.S., 1941 (Davidson).

EMILY BIDDLE MEIGS, *Assistant Professor of Library Science.*
Certificate, 1906 (Carnegie Library School).

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* Appointed January 1, 1946.
† Died February 12, 1946.
‡ Returned from military service January, 1946.
§ Absent on leave in military service.
|| Absent on leave in government service.
¶ Appointed part-time instructor in geology January, 1946, for winter and spring quarters.

HAROLD DIEDRICH MEYER, A.M., LL.D., *Professor of Sociology.*
A.B., 1912, A.M., 1916 (Georgia); LL.D. (Florida Southern College).

JOHN BUYER MIALE, B.S., M.D., *Instructor in Pathology.*
B.S., 1937 (Cornell); M.D., 1940 (Rochester).

AUGUSTUS TAYLOR MILLER, JR., Ph.D., *Associate Professor of Physiology and Physical Education.*
B.S., 1931, M.S., 1933 (Emory); Ph.D., 1939 (Michigan).

JUAN MIRANDA, *Instructor in Spanish.*

LUCY SHIELDS MORGAN, Ph.D., *Professor of Health Education.*
A.B., 1922, M.S., 1932 (Tennessee); M.A., 1929 (Columbia); Ph.D., 1938 (Yale).

WILLIAM GARDNER MORGAN, A.B., M.D., *Associate University Physician and Instructor in Medicine.*
A.B., 1927 (North Carolina); M.D., 1931 (Pennsylvania).

AILENE MORRIS, M.S., *Instructor in Psychology.*
A.B., 1944, M.S., 1945 (Oklahoma).

HARVEY LOUIS MORRISON, A.B., *Lecturer in Physics.*
A.B., 1933 (Davidson College).

*JOSEPH L. MORRISON, A.B., *Assistant Professor of Journalism.*
A.B., 1940 (North Carolina).

ROY WILLIAM MORRISON, Ph.D., *Professor of Elementary Education.*
A.B., 1916 (Davidson); Ph.D., 1928 (North Carolina).

†OLIN TERRELL MOUZON, Ph.D., *Associate Professor of Economics.*
B.S. in Commerce, 1933 (Southern Methodist); Ph.D., 1940 (North Carolina).

‡EDWARD FRANCIS MOYER, A.M., *Instructor in French.*
A.B., 1936, A.M., 1937 (North Carolina).

CLYDE EDWARD MULLIS, A.M., *Assistant Professor of Physical Education.*
A.B., 1938, A.M., 1940 (North Carolina).

HOWARD FREDERICK MUNCH, A.M., *Professor of Education, Instructor in Mathematics.*
B.S., 1904 (Adrian College); A.M., 1926 (Chicago).

§JOSEPH HAROLD MURNICK, A.B., *Instructor in Physical Education.*
A.B., 1938 (North Carolina).

JOHN RUSSELL MURPHY, M.A., *Assistant Football Coach and Instructor in Physical Education.*
A.B., 1928 (Colorado); M.A., 1935 (Teachers College, Columbia).

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* Returned from war leave June, 1946.
† Returned from war leave November 1, 1945.
‡ Absent on leave in military service.
§ Resigned May, 1946.

*KENNETH NESS, *Resident Artist, Associate Professor of Art, and Acting Head of Department until January, 1946.*

EARL HOLLAND NEWCOMER, Ph.D., *Assistant Professor of Botany.*
B.A., 1932 (Columbia); M.A., 1935 (California); Ph.D., 1938 (Pennsylvania State College).

WILLIAM S. NEWMAN, Ph.D., *Assistant Professor of Music.*
B.S., 1933, M.A., 1935, Ph.D., 1939 (Western Reserve).

ALBERT RAY NEWSOME, Ph.D., *Professor of History.*
A.B., 1915 (North Carolina); M.A., 1922, Ph.D., 1929 (Michigan).

†JOHN WILLIAM ROY NORTON, A.B., M.D., M.P.H., *Professor of Public Health Administration.*
A.B., 1920 (Trinity College); M.D., 1928 (Vanderbilt); M.P.H., 1936 (Harvard).

HOWARD WASHINGTON ODUM, Ph.D., LL.D., Litt.D., L.H.D., *Kenan Professor of Sociology.*
A.B., 1904 (Emory); A.M., 1906 (Mississippi); Ph.D., 1909 (Clark); Ph.D., 1910 (Columbia); LL.D. (Emory, Harvard); Litt.D. (College of the Ozarks); L.H.D. (Clark).

‡HENRY MADISON OLIVER, JR., Ph.D., *Associate Professor of Economics.*
A.B., 1934 (Southwestern); M.A., 1936, Ph.D., 1939 (Duke).

WILLIAM ANDERSON OLSEN, A.M., *Professor of English.*
A.B., 1923 (Cornell); A.M., 1928 (North Carolina).

CLIFFORD EDNEY PACE, A.B., LL.B., *Assistant Director of the Institute of Government.*
A.B., 1939, LL.B., 1942 (North Carolina).

GREGORY LANSING PAINE, Ph.D., *Professor of English.*
Ph.B., 1914, A.M., 1920, Ph.D., 1924 (Chicago).

J. ROY PARKER, A.B., *Professor of Journalism.*
A.B., 1915 (Wake Forest College).

§JOHN WILLIAM PARKER, A.M., *Assistant Professor of Dramatic Art.*
A.B. in Educ., 1930, A.M., 1937 (North Carolina).

||ROLAND BRYCE PARKER, A.B., *Instructor in Social Science and Dean of Men.*
A.B., 1926 (Davidson College).

¶FREDERICK GEER PATTERSON, A.B., M.D., *Instructor in Medicine.*
A.B., 1933 (North Carolina); M.D., 1937 (Pennsylvania).

MAISIE JANE PATTERSON, A.B., *Lecturer in Mathematics.*
A.B., 1942 (North Carolina).

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* Absent on leave in government service September to December, 1945.
† Absent on leave in government service; resigned March, 1946.
‡ Appointed January, 1946.
§ Returned from war leave March, 1946.
|| Returned from war leave January 1, 1946.
¶ Absent on leave in military service September, 1940, to January, 1946.

ROBERT EPRON PATTON, A.B., *Assistant Professor of Naval Science and Tactics.*
A.B., 1941 (New York State College for Teachers).

ERLE EWART PEACOCK, A.B., M.B.A., C.P.A., *Professor of Accounting.*
A.B., 1914 (Georgia); M.B.A., 1916 (Harvard); C.P.A. (State of North Carolina).

WILLIAM HENRY PEACOCK, A.M., *Lecturer in Mathematics and Instructor in Physical Education.*
A.B., 1932 (Maryville College); A.M., 1940 (North Carolina).

FRANCES MITCHELL PEDIGO, A.M., *Part-time Instructor in English.*
A.B., 1932 (Florida State College for Women); A.M., 1946 (North Carolina).

CARL HAMILTON PEGG, Ph.D., *Associate Professor of History.*
A.B. in Educ., 1927, A.M., 1927, Ph.D., 1929 (North Carolina).

*WILLIAM DECATUR PERRY, Ed.D., *Assistant Professor of Education and Director of the University Testing Service.*
A.B. in Educ., 1929 (North Carolina); Ed.D., 1937 (Teachers College, Columbia.)

GUY BERRYMAN PHILLIPS, M.A., *Professor of Education, Director of the Summer School, Director of Admissions, and Executive Officer, College for War Training.*
A.B., 1913 (North Carolina); M.A., 1942 (Columbia).

WILLIAM WHATLEY PIERSON, Ph.D., Litt.D., *Professor of History and Political Science and Dean of the Graduate School.*
A.B., 1910, A.M., 1911 (Alabama); M.A., 1912, Ph.D., 1916 (Columbia); Litt.D. (Boston).

†WILLIAM HOWARD PLEMMONS, Ph.D., *Associate Professor of Education, Admissions Officer, and Acting Registrar.*
A.B., 1928 (Wake Forest College); A.M., 1935 (Duke); Ph.D., 1943 (North Carolina).

EDWARD CARL PLISKE, Ph.D., *Assistant Professor of Anatomy and Physical Education.*
B.A., 1932 (Oberlin); M.A., 1934, Ph.D., 1936 (Minnesota).

‡EARLE KEITH PLYLER, Ph.D., *Professor of Physics.*
B.A., 1917, A.M., 1918 (Furman); A.M., 1923 (Johns Hopkins); Ph.D., 1924 (Cornell).

§WILLIAM SAMUEL PLYMALE, M.S., *Lecturer in Physics.*
B.S., 1932 (Roanoke College); M.S., 1936 (Virginia).

JAMES EDWARD POINDEXTER, M.A., *Part-time Instructor in English.*
A.B., 1937 (North Carolina); M.A., 1938 (Emory).

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* Absent on leave in government service September to December, 1945.
† Acting registrar since May 15, 1944.
‡ Resigned as of September 1, 1945.
§ Resigned June 10, 1946.

*George Waverly Poland, Jr., M.A., *Instructor in Spanish.*
A.B., 1936 (College of William and Mary); M.A., 1939 (Brown); Diploma (Salamanca).

†Carleton Estey Preston, Ph.D., *Professor of Education.*
A.B., 1899, A.M., 1900, Ph.D., 1902 (Harvard).

‡William Meade Prince, *Lecturer in Art.*

William Frederick Prouty, Ph.D., *Professor of Stratigraphic Geology.*
B.S., 1903, M.S., 1904 (Syracuse); Ph.D., 1906 (Johns Hopkins).

Percy Hall Quinlan, B.P.E., *Instructor in Physical Education.*
B.P.E., 1919 (Springfield College).

§Walter Wagner Rabb, A.M., *Instructor in Physical Education.*
B.S., 1937 (North Carolina State College of A. and E.); A.M. in Educ., 1941 (North Carolina).

§Manuel D. Ramirez, A.M., *Instructor in Spanish.*
A.B., 1937, A.M., 1939 (Florida).

Richard Beverly Raney, A.B., M.D., *Lecturer in Orthopedic Surgery.*
A.B., 1926 (North Carolina); M.D., 1930 (Harvard).

Murphy Dale Ranson, S.B.Comm., *Instructor in Physical Education.*
S.B.Commerce, 1924 (North Carolina).

Horace Wilson Raper, A.B., *Instructor in Social Science.*
A.B., 1939 (North Carolina).

John Maxwell Reed, A.B., *Assistant Football Coach and Instructor in Physical Education.*
A.B., 1924 (Bucknell).

Jesse Byers Reese, M.A., *Part-time Instructor in English.*
A.B., 1939 (North Carolina); M.A., 1942 (Tulane).

Carl Vernon Reynolds, M.D., *Associate Professor of Public Health.*
M.D., 1895 (Univ. of the City of New York).

Cedric Okell Reynolds, M.A., *Educational Officer, V-12 Headquarters.*
A.B., 1928, A.M., 1932 (West Virginia).

||John O. Reynolds, M.A., *Instructor in Mathematics.*
B.S., 1925 (Guilford College); A.M., 1940 (North Carolina).

Oscar Knefler Rice, Ph.D., *Professor of Chemistry.*
B.S., 1924, Ph.D., 1926 (California).

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* Returned from war leave March, 1946.
† Professor *emeritus.*
‡ Absent on leave from December, 1945.
§ Absent on leave in military service.
|| Absent on leave in government service.

WILLIAM P. RICHARDSON, M.D., M.P.H., *Visiting Professor of Public Health Administration.*
B.S., 1926 (Wake Forest); M.D., 1928, (Medical College of Virginia); M.P.H., 1933 (Hopkins).

CHARLES BASKERVILLE ROBSON, Ph.D., *Professor of Political Science.*
A.B., 1919 (Davidson); A.M., 1924 (Princeton); Ph.D., 1930 (North Carolina).

ARTHUR ROE, Ph.D., *Associate Professor of Organic Chemistry.*
B.A., 1933 (Oberlin College); M.A., 1935 (Colorado College); Ph.D., 1938 (Northwestern).

*MICHAEL Z. RONMAN, Ed.M., *Instructor in Physical Education.*
B.S., 1935, Ed.M., 1938 (Pennsylvania State College).

IRA WINFIELD ROSE, Ph.G., *Professor of Practical Pharmacy.*
Ph.G., 1906 (North Carolina).

NATHAN ROSEN, Sc.D., *Associate Professor of Physics.*
S.B., 1929, S.M., 1930, Sc.D., 1932 (Mass. Inst. of Tech.).

†MILTON JOSEPH ROSENAU, M.D., A.M., *Professor of Epidemiology and Dean of the School of Public Health.*
M.D., 1889 (Pennsylvania); student (Hygienische Institut, Berlin, 1892-1893; L'Institut Pasteur, Paris, 1900; Pathologisches Institut, Vienna, 1900); Hon.A.M. (Harvard).

WILLIAM EVERETT ROSENSTENGEL, Ph.D., *Professor of Education.*
B.S. in Ed., 1923 (Northeast Missouri State Teachers College); A.M., 1927, Ph.D., 1931 (Missouri).

‡ROBERT ALEXANDER ROSS, S.B., M.D., *Lecturer in Obstetrics.*
S.B., 1920 (North Carolina); M.D., 1922 (Pennsylvania).

§ARTHUR EDWARD RUARK, Ph.D., *Kenan Professor of Physics.*
A.B., 1921, A.M., 1923, Ph.D., 1924 (Johns Hopkins).

CHARLES EVERETT RUSH, A.B., B.L.S., A.M., *Professor of Library Science, Director of Libraries, and Chairman of the Library Division.*
A.B., 1905 (Earlham College); B.L.S., 1908 (New York State Library School); Hon. A.M. (Yale).

||ALFRED RUSSELL, D.Sc., *Professor of Chemistry.*
B.S., 1926, D.Sc., 1929 (Queen's College, Dublin).

CHARLES PHILLIPS RUSSELL, A. B., *Professor of Journalism.*
A.B., 1904 (North Carolina).

HARRY KITSUN RUSSELL, Ph.D., *Professor of English.*
A.B., 1923 (Davidson); A.M., 1928, Ph.D., 1931 (North Carolina).

JOSIAH COX RUSSELL, Ph.D., *Associate Professor of History.*
A.B., 1922 (Earlham); A.M., 1923, Ph.D., 1926 (Harvard).

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* Returned from military service February, 1946.
† Died April 9, 1946.
‡ Returned from military service January, 1946.
§ Absent on leave July 1944-June 1946; resigned June 30, 1946.
|| Resigned January, 1946.

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MARY LOU RUTLEDGE, M.A., *Instructor in Medical Technology.*
B.S., 1937, M.A. 1938 (Furman).

*WILL CARSON RYAN, Ph.D., Ed.D., LL.D., Kenan Professor of *Education.*
A.B., 1907 (Harvard); Ph.D., Ed.D., 1918, LL.D. (George Washington).

WILEY BRITTON SANDERS, Ph.D., *Professor of Social Work.*
A.B., 1919, A.M., 1920 (Emory); A.M., 1921 (North Carolina); Ph.D., 1929 (Chicago).

JAMES TERRY SANFORD, A.B., LL.B., *Assistant Director of the Institute of Government.*
A.B., 1939, LL.B., 1946 (North Carolina).

JOSEPH PETER SAWYER, A.B., LL.B., *Part-time Instructor in Political Science.*
A.B., 1936, LL.B., 1939 (Georgetown).

HERMAN MAX SCHIEBEL, A.B., M.D., *Lecturer in Surgery.*
M.D., 1933 (Hopkins).

JAN PHILIP SCHINHAN, Ph.D., *Associate Professor of Music.*
A.B., 1931, M.A., 1933 (California); Ph.D., 1937 (Vienna) .

ALLAN GEORGE SCHNABLE, B.S., *Associate Professor of Naval Science and Tactics.*
B.S., 1934 (U.S. Naval Academy).

†HERMAN WALKER SCHNELL, A.M., *Assistant Professor of Physical Education.*
A.B., 1930 (North Carolina); M.A., 1939 (Teachers College, Columbia).

‡GUSTAV THEODOR SCHWENNING, Ph.D., *Professor of Business Administration.*
B.H., 1920 (Springfield); M. A., 1921, Ph.D., 1925 (Clark).

DAVID HAMILTON SCOTT, A.B., M.B.A., LL.B., *Assistant Director of the Institute of Government.*
A.B., 1936 (North Carolina); M.B.A., 1938, LL.B., 1941 (Harvard).

SAMUEL SELDEN, A.B., *Professor of Dramatic Art and Director of the Carolina Playmakers.*
A.B., 1922 (Yale).

ROBERT BOIES SHARPE, Ph.D., *Associate Professor of English.*
B.A., 1918 (Wesleyan); M.A.; 1923 (Wisconsin); Ph.D., 1928 (Yale).

PAUL EDMONDSON SHEARIN, Ph.D., *Associate Professor of Physics and Acting Head of the Physics Department.*
A.B. in Educ., 1929, A.M., 1930 (North Carolina); Ph.D., 1934 (Ohio State).

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* Absent on leave in government service November, 1945, to April, 1946.
† Returned from war leave January, 1946; resigned June 1, 1946.
‡ Absent on leave 1944-1945-1946.

*FREDERICK CARLYLE SHEPARD, Ph.D., *Adviser to Veterans and Vocational Counsellor to Men.*
A.B., 1921, M.A., 1926, Ph.D., 1938 (North Carolina).

GEORGE EDWARD SHEPARD, M.A., *Associate Professor of Physical Education.*
B.S., 1929 (North Carolina); M. A., 1940 (Columbia).

ROBERT HOWARD SHERRILL, M.A., C.P.A., *Associate Professor of Accounting.*
S.B. Comm., 1925 (North Carolina); M.A., 1927 (Columbia); C. P. A. (State of North Carolina).

†FLOYD THEODORE SIEWERT, M.A., *Associate Professor of Physical Education.*
B.S., in Educ., 1932 (Wittenberg College); M.A., 1935 (Ohio State).

‡THOMAS MOORMAN SIMPKINS, JR., A.M., *Instructor in Latin.*
A.B., 1935, A.M., 1937 (North Carolina).

§JOSEPH CARLYLE SITTERSON, Ph.,D., *Associate Professor of History.*
A.B., 1931, A.M., 1932, Ph.D., 1937 (North Carolina).

EARL ANDERSON SLOCUM, M.M., *Professor of Music.*
B.Mus., 1931, M.M., 1936 (Michigan).

IRENE SMART, *Instructor in Dramatic Art.*

CARL MANEVAL SMITH, B.S., in Chem. Eng'g., A.M., *Lecturer in Mathematics.*
B.S., in Chem. Eng'g., 1933 (High Point College); A.M., 1943 (North Carolina).

JAMES MONROE SMITH, JR., A.M., *Instructor in French.*
A.B., 1938 (Louisiana); A.M., 1941 (North Carolina).

RUBY ARDEN SMITH, M.D., *Instructor in Medicine and Assistant University Physician.*
M.D., 1940 (Maryland).

CARL GREY SNAVELY, M.A., *Head Coach of Football.*
A.B., 1915 (Lebanon Valley College); M.A., 1933 (Bucknell).

WILLIAM BREWSTER SNOW, S.M., *Acting Associate Professor of Sanitary Engineering.*
B.S., 1932 (Duke); S.M., 1942 (Harvard).

CLEMENS SOMMER, Ph.D., *Associate Professor of the History of Art.*
Ph.D., 1919 (FreiBurg).

||WALTER SPEARMAN, A.M., *Associate Professor of Journalism.*
A.B., 1929, A.M., 1937 (North Carolina).

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* Appointed September 14, 1945.
† Absent on leave in military service, fall, 1945; resigned June 1, 1946.
‡ Resigned March, 1946.
§ Returned from government service June, 1946.
|| Returned from military service October, 1945.

CORYDON PERRY SPRUILL, JR., A.B., B.Litt. (Oxon.), *Professor of Economics and Dean of the General College.*
A.B., 1920 (North Carolina); B.Litt., 1922 (Oxford).

HERMAN HENRY STAAB, M.A., *Associate Professor of Romance Languages.*
B.A., M.A., 1912 (University of the South).

MRS. MARVIN HENDRIX STACY, *Dean of Women.*
Graduate, 1907 (N. C. State Normal and Industrial College).

*ROBERT LEE STALLINGS, JR., B.S., *Instructor in Economics.*
B.S., 1938 (North Carolina State College of A. and E.).

LOIS FOOTE STANFORD, M.D., *Instructor in Medicine.*
M.D., 1921 (Pennsylvania).

WILLIAM RANEY STANFORD, A.B., M.D., *Instructor in Medicine.*
A.B., 1915 (North Carolina); M.D., 1919 (Pennsylvania).

MARGARET STERLING, A.B., *Part-time Instructor in English.*
A.B., 1945 (George Washington).

†ROBERT EDWARDS STONE, A.B., M.D., *Associate University Physician and Instructor in Physical Diagnosis.*
A.B., 1931 (North Carolina); M.D., 1934 (Harvard).

‡STERLING AUBREY STOUDEMIRE, Ph.D., *Professor of Spanish.*
A.B., 1923, A.M., 1924, Ph.D., 1930 (North Carolina).

JOSEPH WARD STRALEY, Ph.D., *Assistant Professor of Physics.*
B.S., 1936, M.S., 1937, Ph.D., 1941 (Ohio State).

WILLIAM RINGGOLD STRAUGHN, JR., M.S., *Instructor in Bacteriology.*
B.S., 1935 (Penn. State Teachers College); M.S., 1940 (Cornell).

§WILLIAM E. STRICKLAND, A.M., *Instructor in French.*
A.B., B.S., 1940 (Southern College); A.M., 1942 (North Carolina).

OTTO STUHLMAN, JR., Ph.D., *Professor of Physics.*
B.A., 1907 (Cincinnati); M. A., 1909 (Illinois); Ph.D., 1911 (Princeton).

VIRGINIA SUHRIE, S.M., *Instructor in Physiology.*
B.S., 1940 (State Teachers College, West Chester, Pa.); S.M., 1943 (North Carolina).

||ALBERT IRVING SUSKIN, Ph.D., *Assistant Professor of Latin.*
A.B. in Educ., 1931, A.M., 1932, Ph.D., 1937 (North Carolina).

¶BENJAMIN FRANKLIN SWALIN, Ph.D., *Associate Professor of Music.*
B.S., 1928, M.A., 1930 (Columbia); Graduate, 1930 (Institute of Musical Art, New York); Graduate, 1932 (Hochschule für Musik und Kapelmeisterschule, Vienna); Ph.D., 1932 (Vienna).

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* Returned from leave January, 1946.
† Absent on leave in military service; resignation effective March, 1946.
‡ Returned from military service November 1, 1945.
§ Returned from war leave March, 1946.
|| Returned from military service January 1, 1946.
¶ Absent on leave 1945-1946.

GEORGE COFFIN TAYLOR, Ph.D., Litt.D., *Kenan Professor of English.*
A.B., 1897 (South Carolina); A.M., 1899 (Harvard); Ph.D., 1906 (Chicago); Litt.D. (South Carolina).

*MALCOLM DEAN TAYLOR, M.B.A., *Professor of Marketing.*
A.B., 1920 (Oberlin); M.B.A., 1923 (Harvard).

JAMES STERLING TIPPETT, M.A., *Visiting Lecturer in Extension Teaching.*
B.S., 1915 (Missouri); M.A., 1925 (Columbia).

†HENRY ROLAND TOTTEN, Ph.D., *Professor of Botany.*
A.B., 1913, A.M., 1914, Ph.D., 1923 (North Carolina).

GEORGE ROY TRAMMELL, A.B., *Part-time Instructor in Chemistry.*
A.B., 1942 (North Carolina).

RALPH MCCOY TRIMBLE, B.C.E., S.M., *Professor of Applied Mathematics.*
B.C.E., 1921 (Virginia); S.M., 1927 (North Carolina).

‡ELBERT DAYMOND TURNER, A.M., *Instructor in Spanish.*
A.B., 1937 (Davidson); A.M., 1939 (North Carolina).

§EUNICE NICKERSON TYLER, Ph.D., *Associate Professor of Public Health Education.*
Ph.B., 1931 (Brown); C.P.H., 1933, Ph.D., 1946 (Yale).

BERTHOLD LOUIS ULLMAN, Ph.D., *Kenan Professor of the Classical Languages and Literatures.*
A.B., 1903, Ph.D., 1908 (Chicago).

RUPERT BAYLESS VANCE, Ph.D., LL.D., *Kenan Professor of Sociology.*
A.B., 1920 (Henderson-Brown); A.M., 1921 (Vanderbilt); Ph.D., 1928 (North Carolina); LL.D., (Hendrix College).

CHARLES DURWARD VANCLEAVE, Ph.D., *Associate Professor of Anatomy.*
A.B., 1925 (Colorado); Ph.D., 1928 (Chicago).

||MAURICE TAYLOR VAN HECKE, Ph.B., J.D., *Professor of Law.*
Ph.B., 1916, J.D., 1917 (Chicago).

WALTER WEDDLE VAUGHAN, A.B., M.D., *Lecturer in Radiographic Anatomy.*
A.B., 1929 (North Carolina); M.D., 1933 (Jefferson Medical College).

¶JOHN VAUGHT, A.B., *Instructor in Physical Education.*
A. B., 1932 (Texas Christian).

**CLAUDE ALVIN VILLEE, JR., Ph.D., *Assistant Professor of Zoology.*
B.S., 1937 (Franklin and Marshall College); Ph.D., 1941 (California).

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* Absent on leave in government service.
† Returned from military service spring quarter, 1946.
‡ Appointed November 1, 1945.
§ Appointed September, 1945.
|| Absent on leave in government service November 1, 1942, to February 1, 1946.
¶ Resigned January 1, 1946.
** Resigned December 31, 1945.

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PAUL WOODFORD WAGER, Ph.D., *Professor of Political Science.*
B.S., 1917 (Hobart College); A.M., 1920 (Haverford College); Ph.D., 1927 (North Carolina).

*HENRY MCGILBERT WAGSTAFF, Ph.D., *Professor of History.*
Ph.B., 1899 (North Carolina); Ph.D., 1906 (Johns Hopkins).

†DAVID DEVERE WALKER, B.S., *Part-time Instructor in Chemistry.*
B.S., 1944 (South Carolina).

LILA PECK WALKER, A.M., *Part-time Instructor in Mathematics.*
A.B., 1942 (Agnes Scott); A.M., 1944 (North Carolina).

RICHARD GAITHER WALSER, A.M., *Instructor in English.*
A.B., 1929, A.M., 1933 (North Carolina).

‡DON H. WALTHER, A.M., *Instructor in Spanish.*
A.B., 1928 (Miami); A.M., 1940 (North Carolina).

ARTHUR WALTNER, M.S., *Instructor in Physics.*
A.B., 1938 (Bethel College); M.S., 1941 (Kansas State College).

§FREDERICK HENRY WEAVER, A.B., *Instructor in Economics.*
A.B., 1937 (North Carolina).

ALEXANDER WEBB, JR., A.B., M.D., *Lecturer in Surgical Anatomy.*
A.B., 1933 (North Carolina); M.D., 1937 (Harvard).

JAMES WILSON WEBB, A.M., *Instructor in English.*
B.S., 1933 (Mississippi College).

PAUL HAMILTON WARING WEBB, M.A., *Instructor in Botany.*
B.S., 1937 (South Carolina); M. A., 1942 (George Washington).

WILLIAM SMITH WELLS, Ph.D., *Associate Professor of English and Coordinator of Academic Work in the V-12 Program.*
A.B., 1929, A.M., 1930 (Southern California); Ph.D., 1935 (Stanford).

ROBERT HASLEY WETTACH, A.M., LL.B., S.J.D., *Professor of Law and Dean of the School of Law.*
A.B., 1913, A.M., 1914, LL.B., 1917 (Pittsburgh); S.J.D., 1921 (Harvard).

||ROBERT JAMES WHERRY, Ph.D., *Professor of Psychology.*
B.S., 1925, M.A., 1927, Ph.D., 1929 (Ohio State).

¶ROGERS DEY WHICHARD, Ph.D., *Instructor in French.*
A.B., 1924, A.M., 1938, Ph.D., 1946 (North Carolina).

M. JUDSON WHITE, M.A., *Instructor in Psychology.*
A.B., 1937, M.A., 1940 (East Carolina Teachers College).

RICHARD ARNOLD WHITE, *Instructor in Physical Education.*

WILLIAM ALEXANDER WHITE, Ph.D., *Associate Professor of Geology.*
A.B., 1931, as of 1930 (Duke); A.M., 1931 (North Carolina); M.S., 1934 (Montana School of Mines); Ph.D., 1938 (North Carolina).

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* Died May 27, 1945.
† Appointed November 1, 1945.
‡ Returned from war leave Jan. 1, 1946.
§ Appointed March, 1946.
|| Returned from war leave March, 1946; on leave from June, 1946.
¶ Returned from war leave January 1, 1946.

JOSEPH WILLARD WHITTED, A.M., *Instructor in Spanish.*
B.S., 1933 (Davidson); A.M., 1941 (North Carolina).

MAURICE WHITTINGHILL, Ph.D., *Associate Professor of Zoology.*
A.B., 1931 (Dartmouth College); Ph.D., 1937 (Michigan).

*RICHARD HAVEN WILEY, Ph.D., *Associate Professor of Chemistry.*
A.B., 1934, M.S., 1935 (Illinois); Ph.D., 1937 (Wisconsin); LL.B. 1942 (Temple University).

†WILLIAM LEON WILEY, Ph.D., *Professor of French.*
A.B., 1921 (Chattanooga); A.M., 1925, Ph.D., 1930 (Harvard).

‡EDITH WEBB WILLIAMS, Ph.D., *Associate Research Professor of Sociology.*
A.B., 1930 (The Woman's College of U. N. C.); A.M., 1932 (North Carolina); Ph.D., 1938 (Cornell).

*JEAN PAUL WILLIAMS, B.S., *Part-time Instructor in Chemistry.*
B.S., 1940 (Kent State University).

§JONATHAN WILBUR WILLIAMS, Ph.D., *Assistant Professor of Organic Chemistry.*
B.S., 1930 (Baldwin-Wallace College); M.S., 1932, Ph.D., 1935 (Northwestern).

RAY WYATT WILLIAMS, A.B., *Instructor in Social Science.*
A.B., 1941 (North Carolina).

||JAMES LARRYMORE WILSON, A.M., *Part-time Instructor in English.*
B.A., 1931 (Oklahoma); A.M., 1939 (Yale).

¶LOUIS ROUND WILSON, Ph.D., Litt.D., LL.D., *Professor of Library Science and Administration.*
A.B., 1899, A.M., 1902, Ph.D., 1905 (North Carolina); Litt.D., (Univ. of Denver); LL.D., (Haverford, North Carolina).

**THOMAS JAMES WILSON, JR., Ph.D., *Advisory Dean of Admissions, Secretary of the Faculty, and Archivist.*
A.B., 1894, A.M., 1896, Ph.D., 1898 (North Carolina).

THOMAS JAMES WILSON, Ph.D., *Director of the University of North Carolina Press.*
A.B., 1921, A.M., 1924 (North Carolina); Ph.D., 1927 (Oxford).

††REX SHELTON WINSLOW, Ph.D., *Professor of Economics and Director, Bureau of Business Services and Research, Extension Division.*
A.B., 1923 (Simpson College); A. M., 1929 (Illinois); Ph.D., 1936 (North Carolina).

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* Appointed November 1, 1945.
† Returned from war leave November 1, 1945.
‡ Resigned April 1, 1946.
§ Resigned Spring, 1946.
|| Returned from war leave September, 1945.
¶ Returned from teaching leave January 1, 1946.
** Died October 25, 1945.
†† Returned from war leave November, 1945.

ARTHUR SIMEON WINSOR, Ph.D., *Professor of Mathematics.*
A.B., 1914, A.M., 1915 (Mount Allison College)
Ph.D., 1927 (Johns Hopkins).

HARRY DEMERLE WOLF, Ph.D., *Professor of Economics.*
B.S., 1922 (Kansas State Teachers College); A.M., 1923, Ph.D., 1926 (Chicago).

JACOB WOLFOWITZ, Ph.D., *Visiting Associate Professor of Mathematical Statistics.*
B.S., 1931 (College of the City of New York); M.A., 1933 (Columbia); Ph.D., 1942 (New York University).

YUE KEI WONG, Ph.D., *Lecturer in Mathematics.*
B.S., M.S., Ph.D. (Chicago).

EDWARD JAMES WOODHOUSE, B.A., LL.B., *Professor of Political Science.*
B.A., 1903 (Randolph-Macon College); LL.B., 1907 (Virginia).

*WILLIAM SLEDGE WOODS, A.M., *Instructor in French.*
A.B., 1931, A.M., 1932 (South Carolina).

JOHN BROOKS WOOSLEY, Ph.D., *Professor of Economics.*
A.B., 1912 (Guilford College); A.B., 1913, A.M., 1914 (Haverford); Ph.D., 1931 (Chicago).

JOHN JOSEPH WRIGHT, A.B., M.D., M.P.H., *Research Professor of Epidemiology in the School of Public Health.*
A.B., 1931, M.D., 1935 (Vanderbilt); M.P.H., 1939 (Johns Hopkins).

†EARL WYNN, M.S., *Assistant Professor of Dramatic Art.*
A.B., 1932 (Augustana College); M.S., 1934 (Northwestern).

‡GILBERT FLOWERS YOUNG, B.S., *Part-time Instructor in Chemistry.*
B.S., 1942 (College of Charleston).

PAUL YOUNG, M.A., *Assistant Professor of Music.*
B.S., 1931 (Ohio); M.A., 1936 (Columbia).

§THOMAS BAYARD YOUNG, JR., A.B., *Head Coach of Football and Instructor in Physical Education.*
A.B., 1930 (North Carolina).

||HEINRICH ZATZKIS, M.S., *Instructor in Physics.*
M.S., 1944 (Indiana).

HILDA JANE ZIMMERMAN, A.M., *Instructor in Social Science.*
A.B., 1940 (Woman's College of the U. N. C.); A.M., 1942 (North Carolina).

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* Returned from war leave January 1, 1946.
† Returned from war leave March, 1946, as Director of the Communication Center.
‡ Appointed March, 1946.
§ Returned from war leave January 1, 1946; resigned March 1, 1946.
|| Resigned April 30, 1946.

TEACHING FELLOWS, 1945-1946

Mary Josephine Stewart, A.B. ..... Botany
John Howard Anderson, S.B. ..... Chemistry
*Roger Arnold Hines, A.B. ..... Chemistry
Frederick Blount Joyner, S.B. ..... Chemistry
†Charles Raymond Spell, A.M. ..... Chemistry
Helen Byrnes Lanneau, A.B. ..... Classics
Anna Virginia Austin, S.B. ..... Economics and Commerce
Samuel Albert Rosenberg, M.B.A. ... Economics and Commerce
†Vester Moye Mulholland, A.M. ..... Education
John Edward Farrior, A.M. ..... English
Robert Edwin Hollinger, A.B. ..... English
James G. Rice, A.M. ..... English
‡William Robert Barrett, Jr., A.M. ..... German
§Sam Moore Shiver, Jr., A.M. ..... German
Ellen-Fairbanks Diggs, A.B. ..... History
Margaret Eleanor Kinsman, A.M. ..... History
William Durell Miller, A.M. ..... History
Betty Boyd, S.B. ..... Mathematics
†Edney Webb Stacy, A.B. ..... Mathematics
Jack Lavoy Parnell, S.B. ..... Physics
Mavis Andrée Mann, A.M. ..... Political Science
Phyllis Priscilla Rosner, A.B. ..... Psychology
Eloise Baynes, A.M. ..... Romance Languages
James Singleton Patty, A.B. ..... Romance Languages
Thelma Valerie Thompson, A.M. ..... Romance Languages
Virginia Elizabeth Maynard, A.B. ..... Social Work
Faye Elizabeth Hancock, A.B. ..... Sociology
(Lollie) Roberta Lovelace, S.M. ..... Zoology

SPECIAL GRADUATE APPOINTMENTS, 1945-1946

Research Fellows

George Arthur Beebe, A.B., History of Education
*Selby Evans Coffman, M.A.Ed., History of Education
Carolyn Andrews Daniel, A.B., History of Education
Margaret Evans Lerche, A.M., History of Education

Research Assistants

Stella Alogdelis, S.B., Fels Research Assistant, Biological Chemistry
Edna Catherine Cooper, A.M., Institute for Research in Social Science

* Resigned January 1, 1946.
† Winter and spring quarters.
‡ Resigned March 22, 1946.
§ Spring quarter.

WILLIAM EUGENE CORNATZER, Ph.D., Fels Research Assistant, Biological Chemistry.
GUY CONE FARMER, A.B., Institute for Research in Social Science
MARION AUSTIN GREENE, A.M., Spanish American Literature
DONALD BALES HAYMAN, A.B., Institute for Research in Social Science
DANIEL O'HAVER PRICE, A.M., Institute for Research in Social Science
SARA ELIZABETH SMITH, S.B., Institute for Research in Social Science
*SOLOMON SUTKER, A.B., Institute for Research in Social Science
HARRY BIXLER WILLIAMS, JR., S.B., Institute for Research in Social Science

Non-Service Fellows

CORINNE WASHINGTON GREEN, A.B., Special Fellow in Classics
RUTH ADAMS ROYAL, A.B., Consolidated University Fellow

Scholars

†ANNA MELNICK ANDERSON, S.M., Special Scholar in Public Health
HELEN COFFEY HOOVER, A.B., Service Scholar, Social Work
HERBERT EUGENE KETCHAM, A.M., Service Scholar, Romance Languages
†ANTONIO F. LUCENA E MELO, CIV. ENGR., Special Scholar in Public Health
W. LEE MACK, A.B., Service Scholar, Music
PATTY MCFARLAND SCHARTLE, A.B., Endowed Scholar, English
‡EDGAR FAULCON THORNE, A.B., Service Scholar, Art

Graduate Assistants

MARGARET M. DARROUGH, A.B.....Biological Chemistry
HELEN MOORE PARKER, A.B.....Botany
ALICE GARNETT RYLAND, A.B.....Botany
WILLIAM TAYLOR CHICHESTER, A.B.....Dramatic Art
HAZEL BRISTER HARRIS, A.B.....Dramatic Art
ELIZABETH FLORENCE JOHNSON, A.B.....Dramatic Art
MADELINE LYNN LEONARD, A.B.....Dramatic Art
MARY BROOKS POPKINS, A.B.....Dramatic Art
*CALVIN WAVLE CUTLER, A.B.....Economics and Commerce
*PAUL PRESTON WILSON, S.B.....Economics and Commerce
HERBERT G. LEE, S.B.....English
MARY RUTH MILLER, A.B.....English
STELLA MARIE POLLITZ, A.B.....English

* Winter and spring quarters.
† Fall quarter.
‡ Spring quarter.

MARGARET ANNE STERLING, A.B.....English
*DAVID HENRY MALONE, A.B.....German
*HARRY TUCKER, JR., A.B.....German
*CATHERINE M. HUNTINGTON, A.B.....German
LILA PECK WALKER, A.M.....Mathematics
WILLIAM W. COLLINS, B.S.M.....Music
MARY LOUISE EMERY, B.M.....Music
WILLIS COWAN GATES, B.M.....Music
VIRGINIA ELIZABETH HARE, A.B.....Music
DUREMA FITZGERALD, A.B.....Music
HERBERT S. LIVINGSTON, A.B.....Music
GWYNN S. MCPEEK, M. Mus.....Music
EMILY GERALDINE PORTER, B.S.M.....Music
HUBERT P. HENDERSON, A.B.....Music
KATE WHEELER HUGHES, B.S.....Music
MARGARET LEINBACH KOLB, A.M.....Music
CAROLYN LAMBETH LIVINGSTON, A.B.....Music
WILTON MASON, A.B.....Music
EUGENE STRYKER, B.M.....Music
EDGAR VOM LEHN, A.B.....Music
DORIS BULLARD HAWKINS, S.B.....Pharmacy
JOSEPH FREEDMAN, S.B.....Public Health
MARGARET SPENCER GRAVATT, A.B.....Public Health
BARBARA JANE ROSENAU, A.B.....Public Health
ROSLYN GREENBLATT RIBNER, A.B.....Sociology
GEORGE LEE SIMPSON, JR., A.M.....Sociology
ANNA GREENE SMITH, A.M.....Sociology
MARTIN ROBERT BENJAMIN, A.B.....Zoology
*CHARLES BARKLEY BLAIR, JR., A.B.....Zoology

STANDING COMMITTEES OF THE FACULTY

ADVISORY *(elected with terms expiring the year indicated).* 1946: Messrs. Berryhill, Bost, Couch; 1947: Baity, G. C. Taylor, Woosley; 1948: R. E. Coker, F. M. Green, Leavitt.

ATHLETICS. Messrs. A. W. Hobbs, Chairman; Cornwell, Hedgpeth, H. D. Wolf.

COMMITTEES. Messrs. Howell, Chairman; Carroll, A. W. Hobbs, King, Spruill.

DEBATE COUNCIL. Messrs. Olsen, Chairman; Godfrey, Woodhouse, student members.

ELIGIBILITY FOR STUDENT ACTIVITIES. Messrs. Mackie, Chairman; Giduz, C. P. Russell, Sharpe, Dean Stacy.

ENDOWED SCHOLARSHIPS, LOAN FUNDS, AND SELF-HELP WORK. Messrs. Carroll, Chairman; Armstrong, Bost, A. W. Hobbs, Cecil Johnson, Lanier, Lyons, Saunders, Spruill, J. A. Williams.

* Spring quarter.

ENGLISH COMPOSITION. Messrs. Totten, Chairman; J. O. Bailey, Secretary; N. B. Adams, R. W. Adams, Bagby, S. A. Emery, Epps, Friederich, Hudson, Cecil Johnson, Jones, Mouzon, Newman, Robson, Roe, Sanders, Selden, Spearman, White.

EXAMINATIONS AND RECORDS. Messrs. Stoudemire, Chairman; Armstrong, Carroll, Evans, A. W. Hobbs, Hudson, Jacobs, Cecil Johnson, Jordan, Klaiss, Lanier, Lasley, Markham, Wherry.

EXECUTIVE *(elected with terms expiring the year indicated).* 1946: Messrs. Epps, Wells; 1947: S. T. Emory, Godfrey; 1948: Hudson, Cecil Johnson.

FACULTY LIVING CONDITIONS. Messrs. Brandis, Chairman; J. C. Andrews, Bailey, Brooks, Browne, Burlage, Cowden, Crockford, W. G. Morgan, R. W. Morrison, Newcomer, Winslow, Miss Herring.

FRATERNITIES AND SORORITIES. Messrs. Lyons, Chairman; Carroll, Godfrey, Mackie, MacKinney, Peacock, Saunders, Stoudemire, Woodhouse, Y.W.C.A. Secretary, Miss Jocher, Dean Stacy.

GENERAL COLLEGE INSTRUCTION. Messrs. Hudson, Chairman; Engstrom, M. A. Hill, S. B. Knight, Pegg.

GROUNDS, BUILDINGS, FIELDS, FORESTS AND LAKE AREA. Messrs. R. J. M. Hobbs, Chairman; Baity, Booker, W. C. Coker, Cornwell, House, Lefler, MacNider, Teague, Wager, Wells, Wiley.

INSTRUCTION AND REGULATIONS. Messrs. A. W. Hobbs, Chairman; Berryhill, Carroll, Jacobs, King, Lasley, Newsome, Pierson, Spruill, Ullman, Wettach, Miss Akers.

INTER-AMERICAN INSTITUTE. Messrs. Leavitt, Director; Carmichael, Carroll, Dey, Graham, Grumman, House, Pierson, Business Officer.

LECTURES AND CONVOCATIONS. Messrs. Fesler, Chairman; S. T. Emory, Epps, George, Heath, Jente, Vance.

PUBLIC OCCASIONS. Messrs. Saunders, Chairman; Coates, Dey, Fetzer, Grumman, Madry, Phillips, Poteat, Teague, and others as needed.

REGULATION OF STUDENT DANCES. Messrs. Mackie, Chairman; E. A. Cameron, Weaver, Dean Stacy.

SESQUICENTENNIAL CELEBRATION. Messrs. L. R. Wilson, Chairman and Director; Berryhill, R. E. Coker, Connor, Dey, MacNider, Newsome, C. P. Russell.

STUDENT ENTERTAINMENT. Messrs. Harland, Chairman; Cotten, J. N. Couch, Haydon, Mouzon, Spearman.

SULLIVAN AWARD. Messrs. Mackie, Chairman; A. W. Hobbs, House.

PART TWO

GENERAL INFORMATION

THE UNIVERSITY

An interesting historical sketch of the University of North Carolina is given in *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* pages 47 ff. That sketch contains not only a history of the University but also a brief statement as to its present buildings and equipment. For particular details the interested reader is referred to that copy of the Catalogue.

Organization and Degrees

A statement of the organization of the University and the degrees which it confers appears in *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* page 50. The information therein is correct for the session except that, in addition to the degrees therein mentioned, the College of Arts and Sciences now confers also the degree Bachelor of Music.

Department of Naval Science and Tactics

The Department is a unit of the Naval Reserve Officers' Training Corps (N.R.O.T.C.) established by the Act of Congress, approved March 4, 1925. The unit is administered by commissioned officers of the United States Navy, most of whom are graduates of the United States Naval Academy, Annapolis, Md. These officers have had considerable experience at sea and are especially selected by the Navy Department for this duty.

The course is open only to young men who intend to complete four years' training for a commission in the United States Naval Reserve or the United States Marine Corps Reserve. Credits in this course are given by the University and are counted in the credit-hours for a degree. Satisfactory completion of the four-year course, together with the summer cruises will qualify the student for a commission in the Naval or Marine Corps Reserve, provided he obtains a degree and passes the prescribed physical examination.

During the academic year 1945-1946, uniforms and equipment were furnished students. All textbooks were loaned, and each upper-class student received appropriate pay and allowances from the Federal Government.

Practice cruises at Government expense, normally a part of the N.R.O.T.C. program, were omitted in 1945.

Primarily, the purpose of the course is to provide instruction which will qualify the graduates to become deck officers in the Navy in time of national emergency. It is also valuable training for any career, particularly the merchant marine.

Division of Extension

A brief statement with respect to the Division of Extension appears in *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* page 52.

The General Faculty of the University

The constitution and prerogatives of the General Faculty of the University are stated in *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* page 52.

The College Year

During the session 1945-1946 the University returned from the semester system which it had adopted during the war to the regular quarter system. This involved the conducting of two short terms, one, which was really the second half of the summer semester, running from September 3 through October 26; the other running from October 29 through December 21. On January 1, 1946 the University returned to the quarter system, by which the college year is divided into fall, winter, and spring quarters of approximately eleven weeks each and a summer session of approximately twelve weeks divided into two terms of about six weeks each.

The School of Law continued to divide its work into two semesters, also conducting a summer session coinciding in extent with one summer term in academic subjects.

The Schools of Medicine, Public Health, and Library Science continued to operate on the regular University quarter system.

Religious Influence

Religion is an important factor in student life, centered officially in the Y.M.C.A., the Y.W.C.A., and the Council for Religion and Life, to which the University makes annual contributions. In addition, the churches of Chapel Hill, embracing a number of denominations, actively support work among students. Several are housed in modern church plants located in close proximity to the campus; others maintain rooms and temporary structures for services. They are manned by an effective and cooperative group of pastors and student pastors, who

work closely with University religious organizations. A Council on Religious Life headed by the Chancellor and embracing in its membership officials and representatives of all religious organizations constantly studies the spiritual needs of students and serves as a clearing house for matters concerning the religious life of the University.

Public Lectures

Two series of endowed lectures bring prominent speakers to the campus from time to time. The McNair lectures, founded through a bequest made by the Reverend John Calvin McNair, are devoted to the relation of Science and Theology. The Weil Lectures, established through the generosity of the families of Mr. Sol Weil and Mr. Henry Weil, are devoted to the topic of American Citizenship.

Physical Education

Hearty encouragement is given to athletic sports and to all kinds of physical activity. The program of intercollegiate athletics includes a great variety of seasonal competitive games, with the idea of promoting maximum participation by members of the student body.

In addition to intercollegiate athletics the University fosters an unusually extensive program of intramural sports, involving over half the undergraduates. Complete schedules are played in individual and team activities, including both major and minor sports. These intramural teams offer every interested student opportunity to participate in a healthful form of competition with his fellows and to learn teamwork and good sportsmanship.

Physical education is required of all undergraduate men three periods each week for the first two years; and of all undergraduate women two periods each week for the first three years. A three quarter-hour course in hygiene is required of all freshmen. More advanced courses in physical education are offered to upperclassmen who plan to become athletic directors or coaches.

A thorough physical examination is given to students at the time of entrance. All students are classified on the basis of the examination, and effort is made to adapt the program to the individual's particular needs. Particular attention is given to various remediable defects, and individual programs are built with the idea of improving or correcting the existing conditions.

Medical Attention

A description of the facilities of the University for the care of the health of its students appears in *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* page 54.

THE DIVISION OF MEDICAL SCIENCES

For a general statement of the organization and purposes of The Division of Medical Sciences and its Advisory Board see *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* page 55. The information therein is correct for the session except as follows:

Dr. Milton Joseph Rosenau, Dean of the School of Public Health and member of the Advisory Board died April 9, 1946.

John Joseph Wright, John Edgar Larsh, Jr. and Oscar David Garvin are now members of the Advisory Board in place of William LeRoy Fleming, William Perry Richardson and William Brewster Snow.

THE DIVISION OF STUDENT WELFARE

For a general statement of the organization and purposes of The Division of Student Welfare and its Administrative Board see *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* page 56. The information therein is correct for the session except as follows:

Upon the resignation of Dean Bradshaw, Dean Ernest Lloyd Mackie became Chairman of the Administrative Board.

*John Samuel Bennett, Kathryn Cook, Mrs. Robert Ferrell, Martha Rice, Frederick Carlyle Shepard and Corydon Perry Spruill, Jr. are now members of the Administrative Board in place of William Decatur Perry, Edward Everett Hazlett, Jr., Cecil Johnson, Mrs. Martha Vandever, James Arthur Branch and Kemp Shields Cate.

The Student Advisory Board during the year was as follows: Arthur Henry Adams, Frances Carter Bleight, Berlette Lorraine Capt, Gloria Janet Chapman, William Thomas Crisp II, Evelyn Cheek Davis, John Weston Fenhagen, John Douglass Hunt, Jr., John Patrick Kelly III, Robert Haywood Morrison, Whitman Osgood, Morris Wiley Pully, Elizabeth Schofield, Charles Fogle Vance, Jr., James Clarence Wallace.

During the year the Division set up an Executive Committee composed of the following, as appointed by the Chairman:

* The President and Registrar are *ex officio* members of the Administrative Board.

Frances Carter Bleight, John Douglass Hunt, Jr., Robert Haywood Morrison, John Samuel Bennett, Corydon Perry Spruill, Jr., Ernest Lloyd Mackie, *Chairman.*

STUDENT GOVERNMENT

For a general statement of the organization and functions of student government at the University of North Carolina see *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* page 57. The information therein is correct for the session except as follows:

The Student Council was reorganized on a peace-time basis and is now composed of thirteen members. The officers and members for the session 1945-1946 were as follows: Charles Fogle Vance, Jr., *Chairman;* Morris Wiley Pully, *Vice-Chairman;* Robert Gray Stockton, *Secretary-Treasurer;* James Henry Booth, Wayne Kenneth Brenengen, Charles Lester Fulton, Raymond Lewis Jefferies, John Patrick Kelly III, Jack Boone Shaffer, Thomas Lee Stockwell, William Roy Walston, Charles Frederick Warren, Frank Camp Williams, Jr.

THE UNIVERSITY LIBRARY

For a general statement of the governing and directing personnel of the University Library and for its general holdings as well as for its special collections of importance see *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* page 58. The information therein is correct except that during the year the number of bound volumes increased to approximately 470,000 and the number of bound periodicals to approximately 87,250.

THE UNIVERSITY OF NORTH CAROLINA PRESS

For a general statement of the function and purposes of The University of North Carolina Press and its governing and directing personnel see *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* page 59. The information therein is correct for the session except as follows:

Mr. William T. Couch resigned as Director, his resignation taking effect October 1, 1945. Miss Porter Cowles served as Acting Director from that date through December 31, 1945. Mr. Thomas J. Wilson became Director January 1, 1946.

Through the death of Dr. Henry McG. Wagstaff, May 27, 1945, the Press lost the services of one of its oldest and most loyal Governors. Dean Corydon P. Spruill resumed his position on

the Board of Governors June 1, 1945, on his release from Army service and return to the University.

The foreign shipment of books began again on a small scale during the collegiate year 1945-1946.

THE INSTITUTE FOR RESEARCH IN SOCIAL SCIENCE

For a general statement of the organization, scope, and functions of the Institute for Research in Social Science and its governing and research personnel see *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* pages 60-63. The information therein is correct for the session except for the following changes in the research staff:

Margaret Jarman Hagood, Ph.D., Research Associate, who had been on leave of absence as Chief, Section on Population, Division of Farm Population and Rural Welfare, Bureau of Agricultural Economics, United States Department of Agriculture, Washington, D. C., resigned her position in the Institute, effective March 15, 1946, to continue her work with the Bureau of Agricultural Economics.

Edith Webb Williams, Ph.D., Research Associate, who was on temporary appointment during Dr. Hagood's absence, completed her special assignment with the Institute on March 31, 1946.

Marjorie N. Bond, A.M., joined the staff on October 1, 1945 as Editorial Associate.

Since research assistants are on annual appointment, the following is the current listing: Guy Cone Farmer, A.B.; Donald Bales Hayman, A.B.; Spencer Bidwell King, Jr., A.M.; Sara Elizabeth Smith, B.S.; Solomon Sutker, A.B.; Harry Bixler Williams, Jr., A.B.

INSTITUTE OF GOVERNMENT

For a general statement of the function and purposes of the Institute of Government and its governing and directing personnel see *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* pages 64-66. The information therein is correct for the session except as follows:

William M. Cochrane and Terry Sanford resumed their former positions as Assistant Directors upon their release by the Navy and Army respectively. New Assistant Directors are: Henry W. Lewis, Samuel R. Leager, and David H. Scott.

By operation of its plan of organization R. Gregg Cherry, *Governor,* L. Y. Ballantine, *Lieutenant Governor,* and Oscar L. Richardson, *Speaker of the House of Representatives,* became

the representatives of the state on the Board of Governors; John P. Swain, *Chairman of the Wake County Commissioners,* replaced G. Mark Goforth as a representative of the counties; and Henry T. Powell, *Mayor of Henderson,* replaced Earl B. Horner as a representative of the cities and towns.

PERSON HALL ART GALLERY

For a general statement of the activity of the Person Hall Art Gallery and its governing and directing personnel see *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* page 67. The information therein is correct for the session except as follows:

John Volney Allcott resumed his position as Director, January, 1946, upon his release from Army service and return to the University.

Exhibitions June 1945-June 1946 were: Ninth Annual University of North Carolina Art Students Exhibit; Anne Goldwaithe Paintings; Drawings; What Is Modern Painting; Prints by Louis Shanker; Collection of Color Reproductions; A New American Architecture; Ninth North Carolina Artists Exhibition; Five Centuries of Drawings; Cuban Painting Today; Young American Artists; American Painting; Tenth Annual University of North Carolina Art Students Exhibit.

John Volney Allcott became the *ex officio* member of the Executive Board. Mrs. B. F. Swalin became a member of the Board, replacing Mr. Loren MacKinney.

THE FOLKLORE COUNCIL

For a general statement of the organization and purposes of the Folklore Council and its governing and directing personnel see *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* page 69. The information therein is correct for the session except that Robert White Linker, *Secretary-Treasurer* and John V. Allcott, member of the Executive Committee, resumed their respective positions January 1, 1946 on their release from military service and return to the University.

The Institute of Folk Music

The Folklore Council represents a reorganization of the Institute of Folk Music, which is now a division of the Council. For a general statement of the organization and purposes of the Institute of Folk Music and its governing and advisory personnel see *The General Catalogue* for March, 1945, page 70.

UNIVERSITY ORGANIZATIONS

Many organizations on the campus offer opportunity for interested students to participate in activities which appeal to them and to become acquainted with others in the University having similar interests. A list of these organizations may be found in *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* pages 72 ff.

In addition to the organizations there mentioned brief statements should be made with respect to the following:

Delta Phi Alpha (Honorary German Fraternity) should be added to the list of foreign language clubs.

The Carolina Political Union, a group of students and faculty members, holds regular forums for the discussion of current political and economic problems and brings to the campus speakers in national and state political life.

The International Relations Club, similarly organized and conducted, concerns itself with international problems and also sponsors addresses by speakers interested in international affairs.

The Association of Carolina Scientists performs a similar function in the field of science as it relates to social and economic questions.

The University Veterans Association, composed of students and faculty who are veterans of the Second World War, provides an organization for consideration of problems of interest primarily to veterans.

Iota Tau Chapter of Sigma Alpha Iota (Honorary Musical Sorority) should be added to the list of musical organizations.

The Council for Religion in Life gathers representatives of every creed and denomination active in the community for the purpose of fostering the broad and interdenominational aspects of religion through sermons and other religious activities.

In addition to the organizations open to students, many departments and schools sponsor clubs, seminars, and scholastic fraternities devoted to particular professions and fields of learning. Information concerning them is available in the offices of departments and schools.

EXPENSES

The University reserves the right to make, with the approval of the proper authorities, changes in any fees at any time.

Tuition and Other Fees for Each Quarter and Semester

Each student whose bona fide residence has not been established in North Carolina for at least the six months immediately prior to his first registration in the University must pay an extra reciprocal charge for each term he spends in residence. The residence of a minor is that of his parents or guardian. The residence of an adult remains with his parents unless he shall have independently set up his own.

Bona fide residence in North Carolina means that the student is not in the State primarily to attend the University and that his status as a resident has not been set up merely as a technical bar to the extra charge. Mere ownership of property or payment of taxes apart from residence does not qualify one as a resident; nor may a student qualify by living in North Carolina the six months immediately prior to his first registration unless he continues so to live during the whole period of his stay at the University.

Students are presumed to know their correct residence status and to state the facts concerning it truthfully on their application and registration blanks. Students in doubt should appeal their cases in writing to the Chancellor, preferably in advance of registration. Students who misrepresent the facts of their residence status for the purpose of defrauding the University will be dealt with as are all other violators of the honor code.

For residents of North Carolina the fees payable at the beginning of one of the short terms (8 weeks) or one of the quarters (12 weeks) are as listed below for the General College, the College of Arts and Sciences, the School of Commerce, and the Graduate School.

	Short Term	*Quarter*
*Tuition per credit hour	$ 2.50	$ 1.65
Matriculation	16.13	20.00
Student Publications	1.72	2.30
Student Union	.75	1.00
Student Entertainment	.75	1.00
Student Government	.30	.30
Reading and Materials	1.50	2.00
Woman's Association	.75	1.00
Laundry Deposit	7.00	8.50

* The credit hour for the short terms was the semester hour; for the quarters, the quarter hour.

NOTE: The matriculation fee covers physical education, library, infirmary, registration, debates, and membership in the Athletic Association. The Student Government fee is payable only once a year by each student. The reading and materials fee is payable only by students registered in the School of Commerce. All women students pay the Woman's Association fee.

Tuition and Reciprocal Fee Rates for Out-of-State Residents

The amount of extra charge to each out-of-state resident is reciprocal; i.e., it is based upon the average of charges to nonresidents attending similar institutions in the area of the student's residence. The resulting rate of charge including tuition and reciprocal fee for out-of-state residents is as follows:

FOR RESIDENTS OF:

	Quarter Hour	*Semester Hour*
Alabama, Arkansas, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Mississippi, South Carolina, Tennessee, Virginia, and West Virginia	$3.65	$5.50
Arizona, New Mexico, Oklahoma, and Texas	3.65	5.50
Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont	6.00	9.00
Indiana, Illinois, Iowa, Michigan, Minnesota, Missouri, Ohio, Wisconsin	3.65	5.50
California, Nevada, Oregon, Washington	3.65	5.50
Colorado, Idaho, Kansas, Montana, Nebraska, North Dakota, South Dakota, Utah, Wyoming	3.65	5.50
All other registrants	6.00	9.00

(The application of this scale of charges will in a standard program—16 hours—give a combined tuition and reciprocal fee figure of $58.40 or $96.00 for the quarter, $88.00 or $144.00 for the semester, depending upon the state of residence.)

All the above figures are exclusive of laboratory and other special fees.

Students in the Graduate School who are not registered for regular courses but who are engaged in writing theses or dissertations pay a flat tuition fee of $10.00 plus such of those fees listed on page 57 as are applicable.

Each application for admission to advanced standing must be accompanied by a transcript evaluation fee of five dollars ($5.00) as an earnest of good faith. If the applicant is not accepted, the fee is returned.

DELAYED REGISTRATION: The penalty for delayed registration for any term is one month of strict attendance probation for each day of delay. Any student registering later than the time appointed for his registration must pay a fee of $5.00.

LAUNDRY DEPOSIT: Students will be required to send their laundry to the University Laundry for which a deposit will be collected at the time of registration. When the amount of this deposit has been exhausted, an additional deposit will be charged. Any amount not used will be refunded at the close of the spring term, except that a minimum charge of twenty-five cents a week will be assessed each student not using the University Laundry facilities.

LABORATORY FEES: Each student taking a laboratory course must pay, in addition to his tuition fee, a small fee for power or materials used in the laboratory. The fees for the various laboratory courses are billed to the registrant at time of registration.

TRANSCRIPTS OF RECORD: One transcript will be furnished without charge. Additional transcripts will be furnished only upon payment of $1.00 for each copy.

GRADUATION FEE: The graduation fee is $5.00, payable when application for the degree is made. The rental fee for use of a cap and gown at graduation is $1.75 for Bachelor and $2.00 for Master or Doctor.

PAYMENT OF BILLS: For regulations with respect to the payment of bills please refer to *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* pages 80, 95, and 97.

REFUNDS: A student withdrawing within the first week of any term will be charged only a registration fee of $5.00. A student withdrawing after the first week of any term will have his bill for tuition and fees pro-rated as follows: for any 8 weeks term the bill will be pro-rated on a basis of 6 weeks; for a quarter (12 weeks) his bill will be pro-rated on a basis of 8 weeks. No refunds will be made on room rent unless the room is rented through the University room office.

Dormitory Accommodations for Men

Accommodations for approximately 2150 men students are available in the University dormitories.

All rooms in the dormitories are furnished. Students are required to provide their own pillows, bed linen (for single beds), blankets, and towels.

Room rent ranges from $6.00 to $15.00 a month for each occupant, the price depending upon the location of the room. This charge includes light, heat, and service. Rooms are leased for the scholastic year. For assignment of rooms see *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* page 96.

Dormitory Accommodations for Women

Seven dormitories provide excellent accommodations for 676 women students. Spencer, Smith, Carr, and Alderman Halls and Archer House are for undergraduates, while Kenan Hall is reserved for graduates and professional students, and McIver Hall is occupied by both undergraduates and graduates.

Women students not living in their own homes are required to reside in a dormitory unless permission to live elsewhere is granted by the Dean of Women. Ordinarily such permission is granted in exceptional cases only.

Application for a room should be made to the Dean of Women, and should be accompanied by a deposit of six dollars.

Rooms are rented upon the basis of the entire scholastic year. Payment is made in three installments the first of which is due September first. The amount of each installment is determined by the annual rental price of the room and the length of each term.

Residents of Spencer Hall are required to board there. Residents of the women's buildings are given preference for vacancies in Spencer Hall dining room, but are privileged to board at any of the available boarding places.

All rooms are furnished. Students are required to provide, however, pillows, bed linen (for single beds), blankets, and towels.

The cost of room and board and details concerning payments may be found in the Handbook for Women Students or by correspondence with Mrs. M. H. Stacy, Dean of Women.

Boarding Accommodations

The University operates the conveniently located Lenoir Hall Cafeteria and the Carolina Inn Cafeteria for the benefit of the students. Well-balanced menus are offered at standard prices. Meal ticket books are sold for $5.00.

SUMMARY OF ESTIMATED EXPENSES OF THE AVERAGE MALE STUDENT FOR THE COLLEGE YEAR

Board at $45 a month, estimated vacations eliminated	$405.00
Dormitory room, at $7.50 a month, plus dormitory social fee of $1.00	68.50
*Tuition for the normal schedule of 48 quarter hours (or 32 semester hours) a year	79.20
Matriculation and students' fees, estimated for freshman year	73.90
Laundry deposit	27.00
Books and supplies, estimated for year	25.50
Laboratory fees, estimated for the average freshman	10.00
TOTAL FOR NORTH CAROLINA RESIDENT	$689.10

SCHOLARSHIPS AND OTHER FINANCIAL ASSISTANCE

A list of certain endowed scholarships available for students who can show good academic attainment along with definite financial need is contained in *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* pages 82 ff.

The University also has certain funds which may be loaned to worthy students who can show definite need. A list of these loan funds together with the donors appears in the same copy of *The General Catalogue,* pages 86 ff.

Many students earn a part of their expenses by many forms of honorable labor. Employment at the disposition of the University is assigned on the basis of scholastic merit, financial need, and good character.

Information about all these types of assistance may be obtained by writing Mr. Edwin S. Lanier, Director of Student Aid Office.

Students should not come to the University unless they are

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* TUITION FOR OUT-OF-STATE RESIDENTS:

Tuition (including the out-of-state differential) for the normal schedule for residents of the DISTRICT OF COLUMBIA and the following states will be $176.00: Alabama, Arizona, Arkansas, California, Colorado, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Mexico, North Dakota, Ohio, Oklahoma, Oregon, South Carolina, South Dakota, Tennessee, Texas, Utah, Virginia, Washington, West Virginia, Wisconsin, and Wyoming.

Tuition (including the out-of-state differential) for the normal schedule for residents of the following states will be $288.00: Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont. The same sum ($288.00) will be the cost for a resident of any other place.

The above tuition scale applies to the General College, College of Arts and Sciences, School of Commerce, and Graduate School.

TUITION FOR PROFESSIONAL SCHOOLS:

Pharmacy Tuition is $85 a year; Law, $100 a year; Medicine, $267.00 (tuition, matriculation and laboratory fee) a year; Library Science, $75 a year. The out-of-state differential for this group adds $100 a year ($33.34 a quarter—$50 a semester or a term in Law) in each class regardless of state of residence.

able to pay their bills immediately upon registration. All arrangements about payment of bills must be made in advance of registration, whether by way of loans, scholarships, acceptance of notes, or in any other manner.

FREE TUITION

Free tuition is given to indigent residents of North Carolina who are also under bodily infirmity. Information and application forms are available upon request to the Director of Vocational Rehabilitation Division, State Department of Public Instruction, Raleigh, N. C.

REGULATIONS

The Regulations governing student registration, payment of bills, arrangement of courses, assignment of rooms, conduct, and attendance were not changed materially during the year. They are set out in full in *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record*, pages 95 ff. They were, however, amended slightly in the following respects:

Arrangement of Courses

The first paragraph under arrangement of courses will now read:

"Attention is called to the reduction of credit for freshman and sophomore courses when taken late in the student's career. Only half credit is allowed if a required freshman course is taken after a student begins his junior year or if a required sophomore course is taken after he begins his senior year."

Attendance

The first two paragraphs governing attendance have been amended to read:

"Due to the policy under which courses are given in the University, namely lectures, daily work, quizzes, and short final examinations, regular attendance upon meetings of classes is considered a student obligation.

"The responsibility for attendance is placed in the hands of the instructors in the various courses. Departments may make uniform regulations governing attendance if they so desire. No 'allowed' number of cuts is automatically granted to a student in any course."

EXAMINATIONS

The Regulations governing examinations are set out in full in *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* pages 100 ff. They were amended slightly during the year in the following respects:

Quizzes

A section was inserted concerning quizzes which reads as follows:

"By action of the faculty quizzes are not to be given during the last five days of any quarter."

Special Examinations

The second paragraph of the section dealing with special examinations has been amended to read:

"Examinations to remove the grade of E at other times than those specified in the preceding paragraph may be arranged between the instructor involved and the Dean of the School involved."

Regular Final Examinations

The second paragraph with respect to Regular Final Examinations on page 101 has been amended, for the purpose of clarification, to read as follows:

"Papers written in final examinations are not to be carried away from Chapel Hill to be graded."

A new provision has been inserted following the paragraph dealing with the length of examinations:

"The examination schedule at the end of each quarter having once been fixed cannot be changed, and the examination must be held at the time shown on the schedule."

STANDING

The Regulations governing standing are set out in full in *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* pages 103 ff. During the war they were stated on the semester system. Therefore the long paragraph on page 104 should be amended to read as follows:

"Undergraduate students, in order to be eligible to continue in the University, must qualify according to the following requirements: *A freshman must pass some academic work in

* For the purpose of this rule freshman courses in hygiene and physical education are not included in "academic work," but they may be counted in the total of thirty quarter hours required in three quarters.

each term, and a total of at least thirty quarter hours before beginning his fourth quarter. After the freshman year (three quarters) a student must pass at least five quarter hours in his first quarter to be eligible to re-enter the following quarter, and must pass a total of *thirty-five quarter hours each three successive quarters* to be eligible. Ineligible persons are not to be considered members of the University. In case a student has been handicapped by circumstances beyond his control, he may appeal for readmission to the Committee of Deans by means of a written petition stating his case and sent to the Registrar's office or to his Dean. Deficiencies may be made up by correspondence work or in the summer quarter. In three quarters, therefore, a freshman must pass at least thirty quarter hours, or thirty-five if he is making up a shortage by correspondence work or in the summer quarter; and any student above freshman year similarly must pass at least thirty-five quarter hours in three successive quarters or forty quarter hours if he is making good a deficiency by correspondence work or in the summer quarter."

Graduation

The paragraph with respect to graduation on page 105 has been eliminated.

Regulations Governing Dramatic, Musical, Debating and Other Leading Activities of the Student

In view of the return to the quarter system section 4 of the regulations on page 106 governing eligibility to participate in extracurricular activities will now read as follows:

"There shall be a scholastic requirement of thirty-five quarter hours, half C grade or better, during the preceding three quarters of residence, or forty quarter hours, half C grade or better, if summer school or correspondence work is necessary in addition to two regular terms."

MEDALS AND PRIZES

A number of medals and prizes are offered each year for proficiency and accomplishment in various lines of activity. A list of these prizes and of the donors may be found in *The General Catalogue* for March, 1945, Number 412 of *The University of North Carolina Record,* pages 92 ff.

PART THREE—THE COLLEGES AND THE SCHOOL OF COMMERCE

THE GENERAL COLLEGE

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President*
Robert Burton House, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
Corydon Perry Spruill, Jr., A.B., B.Litt. (Oxon.), *Dean*

*The Administrative Board

Allan Wilson Hobbs, Ph.D.
Dudley deWitt Carroll, M.A.
Sturgis Elleno Leavitt, Ph.D.
Arthur Melville Jordan, Ph.D.
Arthur Palmer Hudson, Ph.D.
Joseph Edison Adams, Ph.D.
Charles Bakersville Robson, Ph.D.
Samuel Thomas Emory, Ph.D.
Edwin Carlyle Markham, Ph.D.
Oliver Kelly Cornwell, M.A.
Guy Berryman Phillips, M.A.

The Committee of Advisers in the General College

Donald Stanley Klaiss, Ph.D.
Michael Arendell Hill, Jr., A.M.
Cecil Johnson, Ph.D.
Floyd Harris Edmister, Ph.D.
James Logan Godfrey, Ph.D.
Frederic Edward Coenen, Ph.D.
Hugo Giduz, A.B.
Jacques Hardré, M.A.

General Statement

During his freshman and sophomore years in the University at Chapel Hill every student is a member of the General College unless he enters the School of Pharmacy. The studies in the General College are intended: (1) to offer an experience in a sufficient variety of basic and liberal subjects to constitute the foundations of that general education which is regarded as essential to balanced development and intelligent citizenship, (2) to supply opportunities for the discovery of intellectual interests and occupational aptitudes, and (3) to provide preparation for later collegiate or professional training. These studies are, specifically, English composition and literature, a foreign language, natural science, and social science for two years; mathematics or

* The Chancellor and the Registrar are *ex officio* members of this Administrative Board.

Latin or Greek for one year, and one other prescribed or elective subject for one year. The options within these requirements appear below in the summaries of the several programs. The student thus takes certain courses basic to all programs of study and in addition chooses other courses in anticipation of advanced work in special fields or because of other personal considerations. If he knows what his later program of study is to be he can in nearly all cases choose a subject in that field as part of his work in the General College. If he does not know what his program is to be, he may take the general program leading to the degree in Liberal Arts or in Commerce with the assurance that he can reach a decision during his undergraduate career and make necessary changes with a minimal loss of time.

Upon satisfactory completion of the work of the General College, the student will normally enter one of the divisions of the University which administer the curricula of the junior and senior years. *The College of Arts and Sciences* offers curricula in (1) the usual liberal arts subjects, (2) teacher-training, (3) journalism, (4) chemistry, geology, physics, medicine, etc. (each with its special Bachelor of Science degree), and (5) pre-law, pre-medical, and pre-dental programs, with and without the A.B. degree. *The School of Commerce* presents curricula preparatory for the various careers in (1) business, (2) foreign trade and the consular service, and (3) law.

NAVAL R.O.T.C.

All of the courses offered by the Department of Naval Science and Tactics count toward graduation. N.R.O.T.C. drill is a substitute for 2 hours of physical education. The academic courses offered by the Department are credited as follows:

(1) In programs of study leading to the degree of Bachelor of Arts, Naval Science may be substituted for one year of required natural science. The other Naval Science courses may count as the sophomore elective and as non-divisional subjects in the junior and senior years.

(2) For the degree of Bachelor of Science in Commerce, the Naval Science courses may be substituted for one year of required natural science. Mathematics 41 is substituted for Social Science 3. In the junior and senior years, Naval Science courses count as non-divisional subjects and for one additional course to be approved by the Dean of the School.

(3) In the other curricula leading to the degree of Bachelor of Science, Naval Science courses count as electives. In addition, the Dean and the Administrative Board are authorized to substitute these courses for required subjects after consideration of the circumstances of each case.

(4) All Naval Science students are required to take Mathematics 41 in the freshman year and Physics 21-22-23 in the sophomore year.

(These arrangements apply only to those who entered the Naval R.O.T.C. prior to the inauguration of the V-12 program in July, 1943. Those who entered subsequently are subject to faculty legislation of February 18, 1944, which allows substantial modification of requirements for those in military or naval service; in practice, these modifications are authorized by the Administrative Board of the College of Arts and Sciences.)

ADMISSION TO THE GENERAL COLLEGE

WOMEN: By order of the Board of Trustees women are not eligible for admission to the General College.*

AGE: All applicants for admission to the General College must be sixteen years of age before or by the actual date of their first registration.

CHARACTER: All applicants for admission to the University, including the General College, are required to furnish satisfactory evidence of good character as prerequisite to consideration for admission.

HEALTH: All General College registrants are required to report to the University Physician for a physical examination immediately before the period of their first registration. Trustee regulations make it mandatory that all matriculates satisfy the University Physician that they have been successfully vaccinated against smallpox. Those unable to furnish such evidence, or who have never been vaccinated at all, will be vaccinated here. Since a smallpox vaccination sometimes disrupts one's normal activities for several days, it is highly desirable from the applicant's standpoint that this detail be attended to before he presents himself for registration.

* Beginning September, 1940, young women who are permanent and *bona fide* residents of Chapel Hill Township are, by special action of the Board of Trustees, eligible for admission to the General College provided their applications and credentials are satisfactory.

Programs of Study

With a view to the most effective preparation of those who will proceed to degrees through any of the regular curricula, the General College offers programs of study as follows:

*Bachelor of Arts

FRESHMAN YEAR

Required:
- English 1-2
- Social Science 1X-2X
- Hygiene 11
- Physical Education 1-2-3

Choose one:
- Chemistry 1-2-3
- Geology 41-42
- Physics 1-2 or 4-5
- Botany 1—Zoology 1

Choose one:
- Mathematics 7-8
- †Greek 1-2-3
- †Latin 11-12 or Latin 21-22

Choose one:
- †French L3-4
- †German L3-4
- †Greek 1-2-3
- †Latin 11-12 or 21-22
- †Spanish L3-4

SOPHOMORE YEAR

Required: English 3-4
Foreign Language (continuing the one chosen in the first year). Two courses, 5 quarter hours each.

Choose one:
- Economics 31-32
- Education 41, 71
- History 21-22
- History 41-42
- History 44-45
- Philosophy 21, 23
- Political Science 41-42
- Sociology 51-52

‡Choose one:
- Botany 41 and Zoology 41
- Botany 41 and 43
- Chemistry 1-2-3 or 31 and 41 (or 42)
- Geology 41-42
- Mathematics 31-32
- Physics 24-25
- Psychology 24-25
- Zoology 41 and 42

In addition choose one free elective—3 hours a week for the year.

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* Students who plan to take music as their major subject should consult the footnote under the Department of Music in this catalogue for information concerning their programs for the freshman and sophomore years.

† Lacking adequate preparation, the student must take courses 1-2 in the foreign language.

‡ If Physics 1-2 or 4-5 was chosen in freshman year, Physics 24-25 may not be chosen in sophomore year.

Bachelor of Science in Commerce

FRESHMAN YEAR

Required:
- Botany 1 or Zoology 1 and Geography 38
- English 1-2
- Social Science 1X-2X
- Mathematics 1-2-3 or 7-8
- Hygiene 11
- Physical Education 1-2-3

Choose one:
- *French L3-4
- *German L3-4
- *Spanish L3-4

SOPHOMORE YEAR

Required:
- English 3-4
- Economics 31-32
- Economics 41

Choose three from:
- Commerce 51
- Commerce 66
- Commerce 71
- Polit. Science 41

Choose one:
- Botany 41, 43
- Chemistry 1-2-3
- Geology 41-42
- Mathematics 31-32
- Physics 24-25
- Zoology 41-42

†Bachelor of Science in Chemistry

FRESHMAN YEAR

Chemistry 1-2-3
English 1-2
*German L3-4
Mathematics 1-2-3 or 7-8
Social Science 1X-2X or Naval Science 1-2-3
Hygiene 11
Physical Education 1-2-3

SOPHOMORE YEAR

Chemistry 31, 42, 41
English 3-4
‡German 6-7
Mathematics 31-32

Bachelor of Science in Geology

FRESHMAN YEAR

Required:
- Geology 41-42
- English 1-2
- Mathematics 1-2-3 or 7-8
- Social Science 1X-2X or Naval Science 1-2-3
- Hygiene 11
- Physical Education 1-2-3

Choose one:
- §French L3-4
- §German L3-4
- §Spanish L3-4

SOPHOMORE YEAR

Chemistry 1-2-3
English 3-4
Geography 38
Mathematics 41, 51, 52
Elective, 5 or 6 quarter hours

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* Lacking adequate preparation in any foreign language, the student must take courses 1-2. A test for reading knowledge of the foreign language must be passed or the language continued without credit until such test has been passed.

† This course meets the requirements of the American Chemical Society for the training of professional chemists.

‡ Scientific or technical German (24-25) may be taken for German 6-7.

§ Lacking adequate preparation in any foreign language, the student must take courses 1-2.

Bachelor of Science in Physics

FRESHMAN YEAR

Physics 1-2 (or 4-5)
English 1-2
*German L3-4 or
French L3-4
Mathematics 1-2-3 or 7-8
Social Science 1X-2X or Naval Science 1-2-3
Hygiene 11
Physical Education 1-2-3

SOPHOMORE YEAR

Required: English 3-4
Mathematics 31-32-33
†German 6-7 or French 6-7
Physics 55
Physics 52 or 56
Physics 42 or 54

Bachelor of Science in Medicine

FRESHMAN YEAR

Required: English 1-2
Chemistry 1-2-3
Mathematics 1-2-3 or 7-8
Social Science 1X-2X
Hygiene 11
Physical Education 1-2-3

Choose one: *French L3-4
*German L3-4

SOPHOMORE YEAR

Required: English 3-4

Continue one: French 6-7
German 6-7

Chemistry 31 and 42 and either
Botany 41 and Zool. 41, 42 or
Botany 41 and Physics 24-25

‡Electives 5 or 6 hours

NOTE: In order to complete the academic part of this curriculum, the student must complete the third year's work including the courses not shown in the group of sciences just above. See curriculum for S.B. in Medicine under College of Arts and Sciences.

Bachelor of Science in Bacteriology

FRESHMAN YEAR

Chemistry 1-2-3
English 1-2
Mathematics 1-2-3 or 7-8
Social Science 1X-2X
*Foreign Language (French or German L3-4)
Hygiene 11
Physical Education 1-2-3

SOPHOMORE YEAR

English 3-4
French or German 6-7
Chemistry 31, 42
Botany 41
Zoology 41, 42
Bacteriology 51

* Lacking adequate preparation in any foreign language, the student must take courses 1-2.
† Scientific or technical German (24-25) may be taken instead of German 6-7.
‡ It is suggested that this elective be Philosophy 41 or in history or political science.

THE COLLEGE OF ARTS AND SCIENCES

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President*
Robert Burton House, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
Allan Wilson Hobbs, Ph.D., *Dean*
Geraldine Alma Foster, A.M., *Assistant Dean*

*The Administrative Board

George Raleigh Coffman, Ph.D.
Millard Breckenridge, Ph.B., L.L.B.
Donald Woods Loomis, B.S.
Howard Russell Huse, Ph.D.
Corydon Perry Spruill, Jr., A.B., B. Litt. (Oxon.)
Richard Jente, Ph.D.
Wesley Critz George, Ph.D.
Glen Haydon, Ph.D.
Edwin Carlyle Markham, Ph.D.
Albert Ray Newsome, Ph.D.
Hardin Craig, Ph.D.
Guy Berryman Phillips, M.A.

General Statement

Beginning with the year 1935-1936 the School of Education, the School of Applied Science, and the College of Liberal Arts were combined into one College, the College of Arts and Sciences. In addition to administrative simplicity there are certain other values to be expected from the combination. In the case of the School of Education it was thought that under the present arrangement there would be a closer cooperation among all the agencies in the University interested in teacher training, and due to the importance of this question such cooperation is greatly to be desired. We may say then that under the College of Arts and Sciences are grouped the regular Arts courses with majors in the various academic fields, the special Science courses having special Bachelor of Science degrees in Chemistry, Geology, Physics, Public Health Nursing, Medicine, Bacteriology, Medical Technology, and Public Health, and all undergraduate teacher training programs.

Students in the College of Arts and Sciences have completed the first two years of college work in this or some other institution of similar standards. Thus only the junior and senior years are presented. In this University the first two years for all students except those in the School of Pharmacy are in the General College, which has a Dean and a corps of Advisers whose purpose it is to see that students get started correctly and as nearly as possible in line with their aptitudes and interests.

* The Chancellor, the Registrar and the Dean of Students are *ex officio* members of each Administrative Board.

The work of the College of Arts and Sciences is distributed among three Divisions known as the Division of the Humanities, the Division of the Natural Sciences, and the Division of the Social Sciences. Students who know at the beginning of the freshman year or at the beginning of the sophomore year what they expect to study have, through the options and the electives, the opportunity to prepare for almost any desirable specialization in the last two years. There has been set up, moreover, a Division of Teacher Training for the purpose of administration, guidance, and program-making in that field.

At the beginning of the junior year a student expecting to enter the College of Arts and Sciences must choose one of the Divisions for his major work. He will then be under the direction of the Head of the Division and an Adviser from the Department of his major subject. Those who plan to teach in secondary schools should seek admission to the Division of Teacher Training. The only students not so placed in Divisions will be candidates for the combined A.B.-LL.B. degree, and special students not candidates for any degree. Such students will be directly under the guidance of the Dean of the College.

It is the general understanding that during the junior and senior years a student in a Division will take about one-third of his work in one Department, one-third in allied Departments in the Division of his major, and one-third as free electives outside the Division. There are variations from the numerical aspects of this rule due to special circumstances and among the Divisions. *It is also understood that a student shall have the right to submit a program of his own, which may be at variance with the regular divisional arrangement, to the Head of a Division and, if it is approved by the Advisory Board of the Division, he may follow it towards the appropriate degree.* The requirements of the Divisions are explained later under the Divisions themselves, and as has already been said they vary somewhat among the Divisions and from the average figures. To be eligible for graduation, a student must secure the grade of C or higher on 30 quarter hours of work in his *major*. This rule applies to students who began their major after September, 1942. Grades lower than C will not be acceptable in the major for students transferring from other colleges. When a certain number of hours are accepted in the major from another college it is required that of the hours taken here in the major the percentage of grades of C or better must be the same as the number 30 is of the total number required in the major. It is to be understood that the regulation in this University in regard to grades is not stated as C average; so that a grade of B is not combined with a

D to give a C, but one-half of the actual hours taken must be of grade C or better.

Special information of interest to those desiring to prepare for teaching, law, medicine, and public health nursing is to be found in *The General Catalogue* for March, 1945, No. 412 of *The University of North Carolina Record,* pages 122 ff.

Naval R.O.T.C.

Students who expect to enter the College of Arts and Sciences but who wish to enroll in the Naval Reserve Officers Training Corps in their freshman year should plan all the work of the first two years carefully in consultation with their Advisers at the beginning.

*Admission

Admission to the College of Arts and Sciences is based upon the satisfactory completion of the first two years in this University or another institution of similar standards, or in an approved junior college. By order of the Board of Trustees, women may enter the College of Arts and Sciences on the same terms as men. It is expected that at least half the grades received in the work presented for admission be of grade "C" or better.† In cases in which there is doubt as to preparation credits granted must be validated by work taken in this University.

In general students entering the third year of college, which is the first year in the College of Arts and Sciences, should present at least sixty-eight semester hours of college work, or one hundred and two quarter hours, including four semester hours or six quarter hours of hygiene and physical education. This work should include two years of work in English, two in one foreign language above the entrance units, one year in each of two natural sciences with full laboratory work, two years in social science, including history, one year in mathematics or a classical language, one year of hygiene and physical education, and sufficient electives to make the full two years of college work.

In exceptional cases provision will be made for students who cannot meet the exact requirements, either to take the work needed here in the General College or to take examinations to prove that they are able to carry the work in the College of Arts and Sciences. In no case, however, will a degree be conferred without the completion of the full entrance requirements of this

* Each application for admission to advanced standing must be accompanied by a fee of five dollars ($5.00) as an earnest of good faith. If the applicant is not accepted, the fee is returned; if he is accepted and enrolls as a student, the fee (having been deposited with the University Cashier) will be applied against the bill at his first registration; if he is accepted but chooses not to enroll as a student here, the fee will be forfeited regardless of the reason involved.

† This means 80 or higher in percentage grades with 70 as the passing grade.

University either by examination or by certificate and the completion of the full course as required for the degree concerned. *There is an additional requirement that the full work of the last year shall be done in residence at this University.*

Students transferring from other accredited colleges to the College of Arts and Sciences of this University must meet the requirements of the first two years here, unless they present superior records from the other college.

If required freshman courses are taken after the student begins his junior year or if required sophomore courses are taken after he begins his senior year, only half credit is allowed. This does not apply to transfer students, provided they make up their deficiencies as soon as possible.

Curriculum Leading to Bachelor of Arts

In order to secure the degree of Bachelor of Arts it is necessary that the student complete fully the requirements set up in the General College for the first two years and follow this by meeting in full the requirements in one of the Divisions for the junior and senior years. See page 68 for a statement of the requirements in the General College and pages 74-78 for the general requirements in the Divisions. The requirements for a major in any Department will be found in connection with the descriptions of courses offered by that Department.

The minimal number of quarter hours for graduation is 192, including 6 quarter hours in hygiene and physical education. If a subject has five class meetings a week for a quarter this subject carries five quarter hours credit. Laboratory work is considered in this evaluation as one quarter hour for two hours of scheduled work in the laboratory. It is entirely possible that a student may accumulate the minimum number of hours for graduation but still not have met the requirements in his Division. The requirements of the Division must be met regardless of the number of quarter hours taken.

Students who have finished the foreign language requirements in one language but wish to take another are advised that special courses have been set up for that purpose and are numbered 14, 15.

The Divisions

For the purpose of better educational policy in regard to the student's choice of courses, sequences of courses, etc., the faculty is divided into three Divisions, the Division of the Humanities, the Division of the Social Sciences, and the Division of the Natural Sciences. As indicated above, another Division has been set up for administration, guidance, and program-making in the

field of teacher training. The work of some Departments will be found in more than one Division, and for convenience that of others may from time to time be shifted from one to another or be placed in more than one; courses in Departments listed in more than one Division, however, cannot be counted both as allied to the major and as extra-divisional work.

The student should make up his mind by the end of his freshman year if possible what subject he wishes to make his major. In his sophomore year he should take whatever work he can looking towards his major. In his junior year he enters one of the Divisions and his work is directed by the requirements of the Divisions and by any special needs he may have in conference with the Head of the Division, or by a person designated for this purpose. Students taking the A.B.-LL.B. course do not fall in any Division but are under the direct charge of the Dean of the College of Arts and Sciences; those taking the S.B. in Medicine curriculum are in the Division of the Natural Sciences.

After full consideration and discussion the Divisions have arranged their general plans of operation with reference to requirements in the junior and senior years as will be shown below. As ordered by the General Faculty in its action on the plan, it is understood that any individual may find it advisable to work out for himself a plan, submit that plan in detail to the Division of his choice, and ask for approval of the same. If such approval is granted, he may proceed towards his degree on that plan.

The Division of the Humanities

Berthold Louis Ullman, Ph.D., *Chairman*
Harry Kitsun Russell, Ph.D., *Secretary*

The Departments of Instruction included in the Division of the Humanities are as follows:

The Classics	Philosophy
English	Art
Germanic Languages	Dramatic Art
Romance Languages	Music
General and Comparative Literature	Journalism
History	

Note: For the purpose of teacher training the Division of Teacher Training is considered as allied to each Division.

General Statement

After a student has selected his department of major interest, that department must require of him a minimum of six whole

quarter courses, or the equivalent in whole and half courses, and may require a maximum of eight such courses. In the allied departments of the Division the student must take at least four such quarter courses and may take eight, distributed between at least two departments; not more than four of these divisional courses may be taken within one department. It is required that the student take from departments in the other Divisions at least four and not more than seven whole quarter courses, in all a sufficient number of courses to make a total of at least eighteen whole quarter courses over and above the full requirements of the General College. Special programs may be submitted by students, see above, page 72.

PROGRAM FOR HONORS WORK

For the program for honors work in the Division of the Humanities see *The General Catalogue* for March, 1945, No. 412 of *The University of North Carolina Record,* page 129.

The Division of the Social Sciences

ALBERT RAY NEWSOME, Ph.D., *Chairman*
LEE MARSHALL BROOKS, Ph.D., *Secretary*

This Division includes the following Departments if Instruction:

Economics	Psychology	History
Philosophy	Sociology	Political Science

Note: See the note on the Division of Teacher Training above in connection with the Division of the Humanities.

GENERAL STATEMENT

This Division requires the student to complete a minimum of six whole quarter courses or the equivalent in whole and half courses in his chosen department of major interest. If however essential foundation courses in the major department have not been completed in the General College, a maximum of eight such courses may be required in that department. From five to seven courses in allied departments within the Division of the Social Sciences are required, and from Departments in the other Divisions at least five and not more than seven whole quarter courses, in all a sufficient number of courses to make a total of at least eighteen whole courses over and above the full requirements of the General College.

PROGRAM FOR HONORS WORK

For the program for honors work in the Division of the Social Sciences see *The General Catalogue* for March, 1945, No. 412 of *The University of North Carolina Record,* page 131.

The Division of the Natural Sciences

John Wayne Lasley, Jr., Ph.D., *Chairman*
Arthur Roe, Ph.D., *Secretary*

The following Departments of Instruction are included in this Division:

Bacteriology	Philosophy	Psychology	Physics
Botany	Chemistry	Mathematics	Zoology
Geology			

Note: The place of the Division of Teacher Training is indicated above under the Division of the Humanities.

General Statement

The general requirements in this Division are as follows: six whole quarter courses or the equivalent in the department of major interest, six in allied departments of the Division, and six in departments in other Divisions, in all a total of eighteen courses. The Dean is authorized to make such adjustments as are necessary in order that students with majors in science shall not have to take more than the standard number of hours for graduation.

For additional information with respect to the Division of the Natural Sciences see *The General Catalogue* for March, 1945, No. 412 of *The University of North Carolina Record,* page 131.

The Division of Teacher Training

Will Carson Ryan, Ph.D., *Chairman*

General Statement

By trustee sanction and under direction of the all-University Division of Education, a local Division of Teacher Training is established as an integral part of the College of Arts and Sciences for the purposes of administration, guidance, and program-making in the field of teacher training in the University at Chapel Hill.

For additional information with respect to the Division of Teacher Training see *The General Catalogue* for March, 1945, No. 412 of *The University of North Carolina Record,* page 132.

Curriculum Leading to the Degree of A.B. in Journalism

The course of study for the first two years is the same as that required of other candidates for the A.B. degree.

The following courses are specified in the junior and senior years: Economics 61.

American Government and one other course in Political Science to be approved by the Head of the Department of Journalism.

Two courses in American History or two courses in North Carolina History.

Six courses in Journalism.

Elective, seven courses. While it is suggested that these may well come from economics, philosophy, English, or foreign languages, it is understood that they are not restricted and the student is free to take his choice from any courses of junior or senior grade in the College of Arts and Sciences.

Academic Curriculum for A.B.-LL.B.

Upon the completion of the courses in the General College and in the College of Arts and Sciences outlined below, with grade of C or better on at least half of the work, *and before matriculation in the School of Law,* and the completion of the first year of law to the satisfaction of the School of Law, a student may receive the degree of A.B., and upon the satisfactory completion of the three years of law, the degree of LL.B., thus securing both degrees in six years instead of the seven years required for the two separately. The prescribed academic work is shown below.

First Year	*Second Year*	*Third Year*
English 1-2	English 3-4	Economics 31-32 (if not already taken)
Social Science 1X-2X	History 44-45 or 71-72	
*Mathematics 7-8		
Hygiene 11		
Physical Education 1-2-3		

* Instead of Mathematics 7-8 a classical language may be chosen provided the student meets by another language the regular requirement in foreign language.

Select One:
- *Greek 1-2-3
- *Latin 11-12 or 21-22
- *French L 3-4
- *German L 3-4
- *Spanish L 3-4

Select One:
- Botany 1, Zoology 1
- Chemistry 1-2-3
- Geology 41-42
- Physics 24-25

Select One:
- Economics 31-32
- Polit. Science 41-42
- History 71-72
- History 44-45
- Philosophy 21-23
- Sociology 51-52

Select One:
- Latin 21-22
- Greek 21-88
- French 6-7
- German 21-22-23
- Spanish 6-7

Select One:
- Botany 41, 43
- Chemistry 1-2-3 or 31 and 41
- Physics 24-25
- Zoology 41, 42
- Botany 41 and Zoology 41
- Geology 41-42
- Psychology 24-25

†English 44 and one other course of 5 quarter hours in English

†History and Political Science —2 courses of 5 quarter hours each

Psychology 24-25 (if not already taken)

One or more electives as may be needed to complete 9 courses of 5 quarter hours each above the freshman and sophomore years

Curriculum in International Studies

The Curriculum in International Studies leading to degree of A.B. with a major in Political Science has been established for the following purposes:

1) to afford a complete academic major in international affairs;
2) as preparation for a career in the Foreign (consular and diplomatic) Service of the United States;
3) as preparation for those planning to become specialists in international relations;
4) as preparation for advanced study for those preparing to do educational and social work in foreign countries.

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* The foreign language requirement is four courses, supposed to be French, German, or Spanish 3-4-5-6, Latin 11-12--21-22, or Greek 1-2-3-21-88, but if for any reason a student in French, German, Spanish or Latin is placed in the elementary courses (1-2) he may complete the language requirement by taking 1-2-3-4 or 1-2-11-12, as the case may be, provided he presented as much as two units in foreign language from high school.

If the student presents 2 units of Latin, he will take 11-12 (freshman year) and 21-22 (sophomore year). If he presents more than 2 units of Latin, he begins his work in that language with the course for which he is prepared, making up by electives the courses omitted by reason of this action.

† The School of Law recommends that the elective course in English be English 52 (Advanced Composition) and that the electives in history and political science be in English and American history and political science.

*JUNIOR AND SENIOR YEARS

Major: Political Science 51 (if Political Science 41-42 has not been taken in the sophomore year) and five or six courses from the following: Political Science 52, 53, 86, 127, 141, 142, 144, 151, and 166.

Allied: Economics 31-32 (if basic economics has not been taken in the sophomore year), Economics 41, 161, History 71-72 (if American history has not been taken in the sophomore year), History 143, and electives to complete the required number of allied courses from the following: Economics 135, 137, History 49, 91, 123, 135, and 136, and Sociology 186.

Non-Divisional: A course in composition and conversation in the language pursued in the freshman and sophomore years, Geography 153, and electives to complete the required number of non-divisional courses from the following: Geography 49, 157, 158, and 159, English 52, courses in literature or civilization in the foreign language pursued, or courses in a second foreign language.

For those students particularly interested in the Latin-American area it is suggested that the language taken be Spanish and that they elect the following courses: Political Science 127, History 91, History 123, Geography 49, and Geography 159.

For those students particularly interested in the European area any of the modern European languages may be taken and the following courses should be elected: Political Science 52, History 49, History 135, History 136, and Geography 158.

For those students particularly interested in the Pacific area the following courses should be elected: Political Science 53 and Economics 137.

Curricula for the Degree of Bachelor of Science

For those students whose interest is in the applied sciences and who wish to enter seriously upon the pursuit of the specialized knowledge and techniques of the sciences the University offers several curricula leading to the degree of Bachelor of Science. Each of these provides for specialization in a particular science (or in the work of the Medical School), accompanied by the necessary instruction in related fields of science and a minimal requirement of work in English, foreign language, and other non-scientific fields. These curricula, which are designed to furnish the fundamental instruction for some of the technical professions are eight in number.

Bachelor of Science in Chemistry
Bachelor of Science in Medicine
Bachelor of Science in Medical Technology
Bachelor of Science in Public Health
Bachelor of Science in Geology
Bachelor of Science in Physics
Bachelor of Science in Public Health Nursing
Bachelor of Science in Bacteriology

* The following is recommended for the first two years: The same arrangement of courses in the General College as is there set up for those intending to seek the degree of A.B., except that it is recommended that in the second year Psychology 24-25 be taken as the sophomore natural science, that Political Science 41-42 be taken as the sophomore social science, and that either Economics 31-32 or History 71-72 is to be chosen as the elective.

If required freshman courses are taken after the student begins his seventh quarter or if required sophomore courses are taken after he begins his tenth quarter, only half credit is allowed.

For numbers of courses see Note on page 92.

Bachelor of Science in Bacteriology

FIRST YEAR

Chemistry 1-2-3
English 1-2
Mathematics 7-8
Social Science 1X-2X
*Foreign Language (French or German) L 3-4
Hygiene 11
Physical Education 1-2-3

SECOND YEAR

English 3-4
French or German 6-7
Chemistry 31, 42
Botany 41, Zoology 41, 42
Bacteriology 51

THIRD YEAR

Chemistry 61, 62
Physics 24-25
Bacteriology 101, 104, 107
Elective 2 courses

FOURTH YEAR

Bacteriology 112, 115
Elective 7 full quarter courses, of which three must be outside the Division.

For numbers of courses see Note on page 96.

†Bachelor of Science in Chemistry

FRESHMAN YEAR

Chemistry 1-2-3
English 1-2
*German 3-4
Mathematics 7-8
Social Science 1X-2X or Naval Science and Tactics
Hygiene 11
Physical Education 1-2-3

SOPHOMORE YEAR

Chemistry 31, 42, 41
English 3-4
‡German 6-7
Mathematics 31-32-33

JUNIOR AND SENIOR YEARS

Chemistry 61, 62, 63, 181, 182, 183
Physics 24-25
Geology 147
English 59
Botany 41 or Zoology 41
§Elective, 8½ full quarter courses

For numbers of courses see Note on page 101.

Bachelor of Science in Geology

FRESHMAN YEAR

Required:
- Geology 41-42
- English 1-2
- Mathematics 7-8
- Social Science 1X-2X or Naval Science and Tactics
- Hygiene 11
- Physical Education 1-2-3

Choose one:
- *French L 3-4
- *German L 3-4
- *Spanish L 3-4

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* Lacking adequate preparation, the student must take courses 1-2 in any foreign language.

† This course meets the requirements of the American Chemical Society for the training of professional chemists.

‡ Scientific or technical German 24-25 may be taken instead of German 6-7.

§ Of these electives 3½ must be in the field of natural science, and of these at least 1½ must be in chemistry, 3 must be outside the field of natural science, and the 2 remaining electives may be in any field.

SOPHOMORE YEAR

Chemistry 1-2-3
English 3-4
Geography 38-39
Mathematics 41, 51, 52

JUNIOR YEAR

Geology 101, 102, 103
Physics 24-25
English 59 and 44 or
*Foreign Language 6-7
Elective of 5 hours

SUMMER FIELD WORK

Geology 128-129

SENIOR YEAR

Geology 104, 105, 106
Geology 107, 108, 109
†Zoology 41 or Botany 41
Two electives of five hours each

Bachelor of Science in Medicine

The University recommends to each applicant for admission to its School of Medicine that he prepare himself as fully as his age and resources permit. If possible he should first secure a Bachelor's degree, either A.B. or S.B., before beginning his professional study. If this is impracticable, he may secure excellent preparation by completing the academic curriculum, outlined below, leading to the degree of Bachelor of Science in Medicine. The degree is conferred upon the satisfactory completion of the first year of work offered in the School of Medicine.

NOTE: Students pursuing the academic subjects listed below are hereby notified that the completion of these courses does not necessarily mean admission to our School of Medicine. From the rather long list of applicants are chosen a maximum of forty-five who are deemed the most promising material for admission to our School. No arrangement exists for granting the degree of S.B. in Medicine for work in any medical school other than ours. Therefore, in order to secure our S.B. in Medicine, the student must complete the first year of work offered in our School of Medicine and in no other such school. To be eligible for the degree of S.B. in Medicine, at least the last year of academic work must have been done in this institution.

FIRST YEAR

Chemistry 1-2-3
English 1-2
Mathematics 7-8
Social Science 1X-2X
‡Foreign Language L 3-4
§(French or German)
Hygiene 11
Physical Education 1-2-3

SECOND YEAR

Chemistry 31, 42
English 3-4
*French 6-7, or
*German 6-7
Botany 41, Zoology 41, 42 or
Botany 41, Physics 24, 25
Elective, 1 course

* Scientific or technical German 24-25 may be taken instead of German 6-7.

† In special cases an advanced course in a science other than geology may be substituted.

‡ The intedmediate courses 3-4 in French or German or both are to be taken provided the student shows evidence of adequate preparation; otherwise he takes the elementary courses (1-2) in the language or languages.

§ While German or French is the most desirable foreign language for Medicine, Spanish may be taken, if desired, upon approval of the Dean of the College.

THIRD YEAR

Psychology 24-25
Chemistry 61, 62
Zoology 41, 42 or
Physics 24, 25
Elective, 2 courses

Bachelor of Science in Medical Technology

The first two years are the same as in the present curriculum set up for the degree of S.B. in Medicine including: English 1-2, 3-4 (20 hrs.); Chemistry 1-2-3, 31, and 42 (27 hrs.); Botany 41 and Zoology 41-42 or Botany 41 and Physics 24-25 (18 hrs.); Math. 7-8 (10 hrs.); French through 7 or German through 7 (20 hrs.); Social Science 1X-2X (10 hrs.); Hygiene 11 and Physical Education 1-2-3 (6 hrs.).

Third Year: Zoology 41, 42 or Physics 24, 25 (12 hrs.); Chemistry 61, 62 (12 hrs.); Bacteriology 51 (6 hrs.); Elective (15 hrs.).

Fourth Year: Bacteriology 101 (7½ hrs.); Pathology 52 (Clinical Pathology) (4 hrs.); Zoology 105 (Histology and Microtechnique) (6 hrs.); Zoology 110 (5) or Parasitology 231 (3½ hrs.) (5 or 3½ hrs.); Electives (22½ or 24 hrs.).

NOTE: Of the Electives, at least 20 hours must be in non-scientific courses. After the completion of this course a year of practical experience and training in a hospital recognized for such training will be necessary before the student can qualify for the examinations offered by the American Society of Medical Technology.

Bachelor of Science in Physics

FRESHMAN YEAR

Physics 24-25
English 1-2
Mathematics 7-8
Hygiene 11
Social Science 1X-2X or Naval Science and Tactics
*French or German L 3-4
Physical Education 1-2-3

SOPHOMORE YEAR

Math. 31-32-33
French 6-7 or †German 6-7
Physics 55, 56 or 52, 42 or 54
English 3-4

In the junior and senior years, one who expects to work in industrial physics may specialize in experimental courses, while one interested in theoretical physics may specialize in more mathematical courses. Credit of 192 hours as a minimum is required for graduation.

JUNIOR YEAR

Physics 52, 53 or 56, 58
Math. 41, 141
Chem. 1-2-3
English 59
Electives, 5 to 8 quarter hours in some field other than Physics

* Lacking adequate preparation, the student must take courses 1-2 in French or German.
† If desired, scientific or technical German will be offered in German 24-25.

SENIOR YEAR

Electives, 3 to 4 courses in some field other than Physics.
Five courses from the following, at least three being in Physics:
Physics 91, 101, 102, 103, 120, 140, 141, 160, 170
Math. 104, 111, 121, 122, 123, 131, 161, 171
Chem. 42, 61, 62, 181, 182, 183

Bachelor of Science in Public Health

The curriculum leading to the Bachelor of Science in Public Health has as its objective the broad training of students in the biological and physical sciences which are fundamental for public health workers. The first three years are largely devoted to basic courses in chemistry, physics, mathematics, and biology. In the fourth year the work becomes more specialized and is designed for two groups.

1. *Alternative a:* Biology and Public Health. This curriculum consists largely of biological courses and their application to public health sanitation. Some specialization in sanitary chemistry, bacteriology, parasitology, and malariology is possible. For those who wish to continue on into graduate work this curriculum serves as foundation for graduate work leading towards a Master of Science in Public Health.

2. *Alternative b:* Physical Sciences and Public Health. This curriculum is arranged for those who wish to specialize in industrial hygiene or public health engineering. To a background of fundamental work in surveying, strength of materials, and hydraulics are added work in sanitation, sanitary chemistry, bacteriology, and other courses. This program of study is basic for those who wish to prepare for public health engineering work, for a Master of Science in Sanitary Engineering, or a Master of Science in Public Health.

FIRST YEAR

Alternative a or b: Mathematics 7-8, 41; Chemistry 1-2-3; English 1-2, *Foreign Language L 3-4 (French, German, Spanish); Social Science 1X-2X or Naval Science and Tactics; Physical Education 1-2-3; Hygiene 11.

SECOND YEAR

Alternative a: English 3-4; Foreign Language 6-7; Physics 24-25; Zoology 41 and 42; Botany 41; Mathematics 31 and 42.

Alternative b: English 3-4; Physics 24-25; Mathematics 31-32-33; Foreign Language 6-7; Botany 1, Zoology 1 or (Botany 41, Geology 41, Zoology 41).

THIRD YEAR

Alternative a: Chemistry 31 and 42; Mathematics 51; Zoology 109; Economics 61; English 59; Geology 41; Zoology 112. †Elective.

Alternative b: Chemistry 31 and 42; Mathematics 51 and 52; Mathematics 121; Mathematics 123; Mathematics 124; Mathematics 42; Economics 61; English 59; †Elective, one course.

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* Lacking adequate preparation, the student must take courses 1-2.

† It is suggested that some of the elective courses be taken from the following: Eng. 44, Zool. 41 & 109, Pol. Sci. 41-42 & 101, Chem. 61-62-63, Physics 120, Math. 125 & 126.

FOURTH YEAR

Alternative a: P. H. 111 P. H. Administration; Zoology 106-107-108; P. H. 131 Bacteriology; P. H. 161 Sanitation; P. H. 163-164 Sanitary Chemistry; P. H. 135 Parasitology; P. H. 133 Malariology; P. H. 134 Medical Entomology; *Elective.

Alternative b: P. H. 111 P. H. Administration; P. H. 161 Sanitation; P. H. 131 Bacteriology; P. H. 121 P. H. Statistics; P. H. 162 Sanitary Chemistry; P. H. 135 Parasitology; †Math. 125; †Math. 126; Math. 61; * Elective (Min. 6 hrs., max., 11 hours are to be taken in School of Public Health.)

Bachelor of Science in Public Health Nursing

Candidates for this degree may be in either one of two groups:

A. Those who meet the following requirements:

1. Satisfactory completion of 99 quarter hours in a recognized college including at least 12 quarter hours in Chemistry, 12 in Biology, 18 in English, 9 in Social Science, the amount of credit, not exceeding 99 quarter hours, extended for work in other colleges to be determined by the Committee on Admissions.
2. Graduation from a fully accredited School of Nursing, with credit not exceeding 48 quarter hours to be determined by the Committee on Admissions.
3. Satisfactory completion of a one-year curriculum in Public Health Nursing in the School of Public Health of the University of North Carolina. (45 quarter hours.)

B. Those who have not had college work before entering upon their professional training in Nursing but who meet the following requirements:

1. Graduation from a fully accredited School of Nursing with credit not exceeding 48 quarter hours to be determined by the Committee on Admissions.
2. Satisfactory completion of a one-year curriculum in Public Health Nursing in the School of Public Health of the University of North Carolina. (45 quarter hours.)
3. Two years' work in the College of Arts and Sciences of the University with 93 quarter hours including:
(a) ‡20 hours in English; (b) 10 hours in Social Science; (c) 24 hours in approved courses in the Division of Natural Sciences; (d) 27 hours in extra-divisional courses to be selected by the Adviser with reference to the need of the individual student; (e) 12 hours in free electives; (f) 3 hours in Physical Education. Total, 93 quarter hours.

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* See footnote marked † on page 84.

† Elective courses may be substituted for the courses in structures; if this substitution is made, the courses in structures must be taken in the graduate year by candidates for the Master of Science in Sanitary Engineering.

‡ Students qualifying in a placement test may be excused from 10 quarter hours in English and substitute 10 quarter hours of non-scientific work.

THE SCHOOL OF COMMERCE

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President*
ROBERT BURTON HOUSE, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
DUDLEY DEWITT CARROLL, M.A., *Dean*
JOHN BROOKS WOOSLEY, Ph.D., *Chairman, Graduate Studies and Research*
MILTON S. HEATH, Ph.D., *Chairman, Committee on the Library*

*The Administrative Board

STURGIS ELLENO LEAVITT, Ph.D.
ERLE EWART PEACOCK, M.B.A.
JOHN BROOKS WOOSLEY, Ph.D.
CORYDON PERRY SPRUILL, JR. A.B., B.Litt. (Oxon.)
ALMONTE CHARLES HOWELL, Ph.D.
RICHARD J. MENDENHALL HOBBS, A.B., LL.B.

General Statement

Though courses of instruction in economics and in certain business subjects had been offered for many years in The University of North Carolina, not until 1919 was there established a comprehensive, well-organized business curriculum. In that year, the Legislature, in conformity with the recommendations of the President and the Board of Trustees, enacted the legislation which resulted in the immediate organization of the School of Commerce. The School occupies a place in the University organization which is coordinate in standing and equipment with the College of Arts and Sciences.

The undergraduate course of study, leading to the degree of Bachelor of Science in Commerce, covers a period of four years and is designed to give a foundation of broad and general culture, and at the same time, supply a definite and practical training to those who intend to engage in any of the great lines of industrial and commercial activity. For those desiring more intensive specialization, the School of Commerce offers graduate courses leading to the degree of Master of Science in Commerce.

†Admission

Admission to the School of Commerce is based upon the satisfactory completion of the first two years of college work given in the General College of this University or its equivalent certified by another institution of recognized academic stand-

* The Chancellor, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

† The outline of the work of the first two years is shown since the required work differs in some particulars from that of the College of Arts and Sciences.

ing.* By order of the Board of Trustees women may enter the School of Commerce on the same terms as men. Based on fifteen entrance units which conform to the admission requirements of the General College, the subjects covered in the first two years are as shown below.

The reader, in considering the numbers of the courses in this and other curricula, should consult the material preceding the curricula in the General College and the College of Arts and Sciences on pages 68 and 73.

FRESHMAN YEAR

Required:
- Botany 1 or Zoology 1 and Geography 38
- English 1-2
- Social Science 1X-2X
- Hygiene 11
- Phys. Education 1-2-3

Choose one:
- †French L 3-4
- †German L 3-4
- †Spanish L 3-4

SOPHOMORE YEAR

Required:
- English 3-4
- Economics 31-32
- Economics 41

Choose three from:
- Commerce 51
- Commerce 66
- Commerce 71
- Polit. Science 41

Choose one:
- Botany 41, 43
- Chemistry 1-2-3
- Geology 41-42
- Mathematics 31-32
- Physics 24-25
- Zoology 41-42

Satisfactory completion of the first two years of college work is interpreted to mean that at least half the credits are of C grade or better (C on a percentage basis covers the range from 80% to 90% with 70 as a minimum passing grade).

Curriculum Leading to the Degree of Bachelor of Science in Commerce

The degree of Bachelor of Science in Commerce will be conferred upon students who complete any one of the following curricula. An additional requirement for graduation is that the grades in at least half the work of a student shall be C or higher.

In order that the junior and senior subjects may be chosen in such a way as to constitute a coherent and comprehensive whole, rather than an unrelated and scattered series, the following programs have been devised. Each student is expected to elect at the beginning of his junior year the group which best

* See footnote on page 73 for fee to be sent with an application for admission.

† A written test of reading knowledge of one modern foreign language is a requirement in the School of Commerce. This reading test may be taken upon completion of the freshman language course or at the end of any succeeding quarter at the option of the student. A grade of "B" or better in the last term of freshman language or any later course is accepted as evidence of a reading knowledge of the language. A student may take additional language for credit after the reading test is passed.

serves his needs and to adhere to it. However, students whose interests do not coincide with any of the following groups are invited to submit an alternative program for the approval of the Administrative Board of the School.

The following courses are required of all juniors and seniors in the School of Commerce:

All of these which were not elected in the sophomore year.
- Commerce 51 ..... Business Organization
- Commerce 66 ..... General Psychology
- Commerce 71 ..... Principles of Accounting
- *Polit. Sci. 51 ..... The Federal Government

- Economics 81 ..... Principles of Money and Banking
- Economics 170 ..... Economic Statistics
- Commerce 72 ..... Principles of Accounting (continued)
- Commerce 91-92 ..... Business Law

Choose one:
- Economics 135 ..... Economic History
- Economics 191 ..... An Introduction to the Labor Problem
- Economics 195 ..... Theories of Economic Reform
- Economics 197 ..... Government and Business

The following additional courses are required of students choosing the major fields listed below:

I. Banking and Finance

- Economics 141 ..... Public Finance
- Economics 185 ..... Business Cycles
- Commerce 181 ..... Advanced Banking
- Commerce 191 ..... Corporation Finance
- Commerce 192 ..... Corporate Financial Policies
- Commerce 195 ..... Investments

†4 Non-Divisional Electives
†2 Divisional Electives

II. Accounting

- Commerce 171 ..... Advanced Accounting
- Commerce 173 ..... Cost Accounting
- Commerce 175 ..... Auditing
- Commerce 177 ..... Income Tax Procedure
- Commerce 179 ..... Governmental Accounting
- Commerce 151 ..... Principles of Industrial Management
  or
- Commerce 191 ..... Corporation Finance

†4 Non-Divisional Electives
†2 Divisional Electives

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* If Political Science 41 was not chosen in the sophomore year.
† The electives must receive the approval of the Dean.

III. Statistics

Economics 171.....Advanced Economic Statistics
Economics 172.....Advanced Economic Statistics (con.)
Commerce 191.....Corporation Finance
*Mathematics 31-32.....Second Year Mathematics
Mathematics 111.....Elementary Mathematical Statistics
†2 Non-Divisional Electives
†4 Divisional Electives

IV. Marketing, Merchandising, and Advertising

Economics 124.....Principles of Marketing
Commerce 61.....Sales Management
Commerce 161.....Advertising
Commerce 163.....Advanced Course in Marketing
Commerce 165.....Retail Distribution
†4 Non-Divisional Electives
†3 Divisional Electives

V. Production Management

Commerce 151.....Principles of Industrial Management
Commerce 154.....Production Management: Theories and Practices
Commerce 155.....Personnel Management
Commerce 157.....Time and Motion Study
Commerce 173.....Cost Accounting
†4 Non-Divisional Electives
†3 Divisional Electives

VI. Personnel Management

Commerce 151.....Principles of Industrial Management
Commerce 155.....Personnel Management
Commerce 156.....Personnel Problems
Economics 191.....An Introduction to the Labor Prob.
Psychology 135.....Personal and Public Economic Relations
Psychology 181.....Laboratory Analysis in Personnel Psychology
†2 Non-Divisional Electives
†4 Divisional Electives

VII. Insurance

Economics 121.....Risk and Risk-Bearing
Economics 124.....Principles of Marketing
Economics 185.....Business Cycles
or
Economics 191.....An Introduction to the Labor Prob.
Commerce 121.....Insurance: Life
Commerce 122.....Insurance: Fire, Marine, Bond, Title
Commerce 191.....Corporation Finance
†4 Non-Divisional Electives
†2 Divisional Electives

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* If Mathematics 31-32 was elected in the sophomore year, two non-divisional elective courses approved by the Dean may be substituted.

† The electives must receive the approval of the Dean.

*VIII. Foundation for Law

Economics 141.....Public Finance
Economics 151.....Transportation
or
Economics 153.....Public Utilities
Economics 191.....An Introduction to the Labor Prob.
Economics 197.....Government and Business
Commerce 177.....Income Tax Procedure
Commerce 191.....Corporation Finance
Political Science 81.....American State Government
Political Science 134.....County Gov. and Administration
English 44.....Public Speaking
or
English 52.....Advanced Composition
Philosophy 91.....Philosophy of the State
or
History 71-72.....American History
†3 or 4 Electives in Economics or Commerce (only one can be in Economics).

IX. General

Commerce 151.....Principles of Industrial Management
or
Commerce 155.....Personnel Management
Commerce 191.....Corporation Finance
Economics 124.....Principles of Marketing
†5 or 4 Non-Divisional Electives
†4 or 5 Divisional Electives (not fewer than two nor more than three may be in Commerce).

X. Combined Course in Commerce and Law

The University offers a combined curriculum which leads to the degree of S.B. in Commerce at the end of four years and LL.B. at the end of six years.

The academic curriculum which must have been entirely completed before the student enters the School of Law is as follows:

* Students in this group omit Commerce 91-92 (Business Law).
† The electives must receive the approval of the Dean.

FRESHMAN YEAR

Required:
- Botany 1 or Zoology 1 and Geography 38
- English 1-2
- Social Science 1X-2X
- Mathematics 7-8
- Hygiene 11
- Physical Education 1-2-3

Choose one:
- *French L 3-4
- *Spanish L 3-4
- *German L 3-4

SOPHOMORE YEAR

Required:
- English 3-4
- Economics 31-32
- Economics 41
- English 44 or English 45

Choose one:
- Botany 41, 43
- Chemistry 1-2-3
- Geology 41-42
- Mathematics 31-32
- Physics 24-25
- Zoology 41-42

Choose three from:
- Political Science 41
- Commerce 51
- Commerce 66
- Commerce 71

JUNIOR YEAR

All of these which were not elected in the sophomore year:
- Commerce 51.....Business Organization
- Commerce 66.....General Psychology
- Commerce 71.....Principles of Accounting
- †Pol. Science 51 .....Government of the U. S.

Commerce 72.....Principles of Accounting (continued)
Economics 81.....Principles of Money and Banking

Choose one:
- Economics 135.....Economic History
- Economics 170.....Economic Statistics
- Economics 191.....An Introduction to the Labor Prob.
- Economics 195.....Theories of Economic Reform

‡2 Non-Divisional Electives
‡4 Divisional Electives

Upon completion of the above program (of three years) with grades of C or better on at least half the work, the student enters the School of Law. The degree of S.B. in Commerce is conferred at the end of the fourth year (first year in Law) provided the student has passed all the work of the first year of Law to the satisfaction of the School of Law.

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* See note on language requirement at bottom of page 87.
† If Political Science 41 was not chosen in sophomore year.
‡ The electives must receive the approval of the Dean.

PART FOUR

ACADEMIC DEPARTMENTS

DESCRIPTION OF COURSES

In this section are listed and described all courses offered in the regular sessions of the University except those in the professional schools of Law, Medicine, Pharmacy, Public Welfare, Public Health, and Library Science. For courses in these schools see the special bulletins.

Notes on the Method of Numbering and Counting Courses

During the session 1945-1946 the University returned from the semester system, which it had adopted in 1944-1945 as a war measure, to the regular quarter system. This involved the conducting of two short terms, followed by two regular quarters. The first short term, which was really the second half of the summer semester, ran from September 3 through October 26; the second from October 29 through December 21. The regular winter quarter began on January 3, 1946 and the spring quarter on March 22. The School of Law, however, remained throughout the year on its own semester system and the Schools of Medicine, Public Health, and Library Science on the regular University quarter system, which they had not abandoned during the war.

*During the two short terms work was valued and credited toward degrees by semester hours, one-half a semester hour being allowed for each class meeting a week during the short term. During the winter and spring quarters work was valued and credited toward degrees by quarter hours, one quarter hour being allowed for each class meeting a week during the quarter. Under either system laboratory or field work counted one hour for each two hours of work in laboratory or field, and work in studio (art) counted one hour for each three hours.

In the following record of courses offered during the session the numbers in parentheses following the descriptive titles show the credits allowed in semester hours if the course was offered in one of the short terms, the numbers in brackets the credits allowed in quarter hours if the course was offered in one of the regular quarters. If the course was offered in one or more of the short terms and also one or more of the quarters both sets of numbers are carried. In the rare cases where a single course or group of closely related courses was continued through one or more of

* In the case of elementary courses in foreign language taken by those who do not qualify for the regular freshman courses of collegiate grade the work is counted towards a degree as of the same value as the regular freshman courses.

the short terms and also one or more of the quarters the valuation is carried in quarter hours only. The reader is reminded that *each semester hour equals one and one-half quarter hours.*

In the event that required freshman subjects are taken after a student begins his junior year or required sophomore subjects after he begins his senior year, such subjects carry half credit only. This rule applies to the class registered as freshmen in the year 1925-1926 and to all later registrants.

*Courses numbered from 1 to 10 are for freshmen only, from 11 to 20 are ordinarily for freshmen and sophomores, from 21 to 40 for sophomores, from 41 to 50 for sophomores (but open to juniors or seniors), from 51 to 100 for juniors and seniors, from 101 to 200 for advanced undergraduates and graduates, from 201 to 400 for graduates only. Courses numbered 301 to 400 are research courses. Undergraduates may not take courses numbered above 200 except by special permission of the instructor in the course *and* the head of the department. Courses numbered from 1 to 100 carry no credit towards any advanced degree.

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‡†DEPARTMENT OF ANATOMY

Professor: W. C. GEORGE
Guest Professor: §B. F. KINGSBURY
Associate Professor: C. D. VANCLEAVE
Assistant Professor: E. C. PLISKE
Visiting Assistant Professors: T. L. PEELE, K. L. DUKE, C. A. VILLEE
Lecturers: W. W. VAUGHAN, ALEXANDER WEBB, JR.
Technician: MARGARET FREEMAN

The courses include gross and microscopic anatomy, embryology, the topography of the body, the application and relation of anatomy to medicine and surgery, and the anatomy of the central nervous system and the organs of special sense.

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

101. CENTRAL NERVOUS SYSTEM AND ORGANS OF SPECIAL SENSE (–) [6].
Three lecture and six laboratory hours a week, third quarter. Laboratory fee for non-medical students, $5.00. Messrs. Peele, Duke.

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* Courses in chemistry for undergraduates are grouped by decades under the headings inorganic, analytical, organic, etc.

† Before registering for any of these courses the academic student must secure the permission of his Dean.

‡ In indicating the *quarters* in which courses in departments of the School of Medicine are offered, *first, second,* and *third quarters* refer to the quarters of the session on the plan of that school, which begins a new session every twelve months.

§ Died July 8, 1946.

102. GENERAL HISTOLOGY AND ORGANOLOGY (–) [10].
Five lecture and ten laboratory hours a week, first quarter. Laboratory fee for non-medical students, $5.00. Messrs. George, Villee.

103. EMBRYOLOGY (–) [6].
Three lecture and six laboratory hours a week, second quarter. Laboratory fee for non-medical students, $5.00. Mr. George.

104. CYTOLOGY AND HISTOGENESIS (–) [6]. Prerequisite, Anatomy 102, Anatomy 103.
Three lecture and six laboratory hours a week, third quarter. Laboratory fee for non-medical students, $5.00. Mr. George.

107ab. GROSS ANATOMY (–) [20].
Six lecture and sixteen laboratory hours a week, first quarter; three lecture and six laboratory hours a week, second quarter. Laboratory fee for non-medical students, $15.00. Messrs. VanCleave, Pliske.

*DEPARTMENT OF ART

Associate Professors: † J. V. ALLCOTT, CLEMENS SOMMER
Resident Artist: ‡KENNETH NESS
Visiting Lecturer: WILLIAM MEADE PRINCE
Instructors: §ARNOLD BORDEN, ANNA BRAUNE
Curators: ||HELENE TIRANOFF, ¶LYNETTE WARREN

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Courses for Undergraduates

41. THE HISTORY AND APPRECIATION OF ARCHITECTURE (3) [–].
Six hours a week, November-December term. Messrs. Sommer, Harland (of the Department of Classics).

* The courses in Art are designed to fill two functions in the University program: (1) to give the student with a major in Art a well-rounded knowledge of the historical aspect balanced by a grounding in the technical and creative side; and (2) to give students in other departments the opportunity to study art for its broadening value in the liberal arts program.

The student planning an A.B. with a major in Art must complete Art 41-42 or 42-43 and Art 44-45-46 and 3 more studio courses before the junior year. Regular courses in the General College postponed in order that these courses in Art may be taken, must be completed at some later time.

The undergraduate major in Art consists of from twenty to twenty-seven semester hours (30 to 40 quarter hours) beyond the freshman-sophomore requirements. These credit hours should be divided equally between studio and history courses. A student desiring to continue work in architecture, sculpture, or painting should include at least two history courses in his particular field and at least two courses divided between the other two fields. Studio work may be developed in this same way with particular stress given to one phase of art as worked out with the head of the department.

Laboratory fees cover the cost of model fees and of materials used in courses and are payable the first day of each semester at the office of the Department of Art.

The Department of Art reserves the privilege of keeping examples of the work of any student for permanent reference and exhibition.

Persons not regularly enrolled in the University who desire instruction in studio work may obtain special instruction by members of the Department of Art at a fee of $1.50 a lesson. Hours are to be arranged with the individual instructor. All fees for special instruction must be paid at the office of the Department of Art. No person not enrolled in the University will be permitted to enter University courses.

For courses in ancient art see the courses listed under the Department of Classics.

The study of art is facilitated by the constantly changing exhibitions in Person Hall Art Gallery. (See page 55.)

† Returned from leave, January, 1946.
‡ Acting Head of Department until January, 1946.
§ Absent on leave in military service.
|| Resigned May 1, 1946.
¶ Appointed May 1, 1946.

42. THE HISTORY AND APPRECIATION OF SCULPTURE (–) [5].
Five hours a week, winter quarter. Mr. Sommer.

43. THE HISTORY AND APPRECIATION OF PAINTING (–) [5].
Five hours a week, spring quarter. Mr. Sommer.

44. BEGINNING DRAWING AND COMPOSITION (3) [–].
Eighteen studio hours a week, November-December term. Laboratory fee, $7.50. Miss Braune.

45. BEGINNING DRAWING AND DESIGN (–) [3].
Nine studio hours a week, winter quarter. Laboratory fee, $7.50. Mr. Ness.

46. BEGINNING PAINTING (OR SCULPTURE) (–) [3].
Nine studio hours a week, spring quarter. Laboratory fee, $7.50. Mr. Ness.

50. GRAPHIC DESIGN III (–) [3].
Six hours a week, spring quarter. Laboratory fee, $7.50. Mr. Allcott.

53. MODERN ARCHITECTURE (–) [5].
Five hours a week, winter quarter. Mr. Allcott.

62. ITALIAN SCULPTURE OF THE RENAISSANCE (–) [5].
Five hours a week, winter quarter. Mr. Sommer.

71. ITALIAN RENAISSANCE PAINTING (3) [–].
Six hours a week, November-December term. Mr. Sommer.

74. BAROQUE PAINTING IN THE NETHERLANDS (–) [5].
Five hours a week, spring quarter. Mr. Sommer.

80. DRAWING AND PAINTING (3) [–].
Eighteen studio hours a week, November-December term. Laboratory fee, $7.50. Miss Braune.

81. STILL LIFE AND LANDSCAPE PAINTING (–) [3].
Nine studio hours a week, winter quarter. Laboratory fee, $7.50. Mr. Ness.

82. COMPOSITION (–) [3].
Nine studio hours a week, spring quarter. Laboratory fee, $7.50. Mr. Ness.

Courses for Graduates and Advanced Undergraduates

104. ADVANCED DRAWING AND PAINTING (3) [–].
Eighteen studio hours a week, November-December term. Laboratory fee, $7.50. Miss Braune.

105. ADVANCED PAINTING AND PAINTING PROCESSES (–) [3].
Nine studio hours a week, winter quarter. Laboratory fee, $7.50. Mr. Ness.

106. ADVANCED COMPOSITION (–) [3].
Nine studio hours a week, spring quarter. Laboratory fee, $7.50. Mr. Ness.

110. LIFE DRAWING (3) [3]. May be repeated for additional credit.
Twelve studio hours a week, November-December term. Miss Braune. *Six studio hours a week, winter quarter.* Mr. Ness. *Laboratory fee, $7.50.*

170. MODERN PAINTING (3) [5].
Six hours a week, November-December term. Mr. Sommer. *Five hours a week, spring quarter.* Mr. Allcott.

174. FIFTEENTH CENTURY PAINTING IN NORTHERN EUROPE (5) [–].
Ten hours a week, November-December term. Mr. Sommer.

177. ORIGINS OF EUROPEAN ENGRAVING AND WOODCUT (6) [–].
Twelve hours a week, September-October term. Mr. Sommer.

Courses for Graduates

261. LATE GOTHIC SCULPTURE (–) [5].
Five hours a week, spring quarter. Mr. Sommer.

271. VENETIAN PAINTING (–) [5].
Five hours a week, winter quarter. Mr. Sommer.

301. SEMINAR COURSE (–) [5].
Five hours a week, winter and spring quarters. Mr. Sommer.

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† *DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor: D. A. MACPHERSON
Associate Professor: ——————————
Instructor: W. R. STRAUGHN
Research Assistant: MARY SHIPP WATSON
Student Assistant: GERTRUDE ADLER

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Course for Undergraduates

51. ELEMENTARY BACTERIOLOGY (–) [6]. Prerequisite, General Chemistry and one course in Botany or Zoology. ‡Elective.
Three lecture and six laboratory hours a week, spring quarter. Laboratory fee, $4.00. Messrs. MacPherson, Straughn.

Courses for Graduates and Advanced Undergraduates

101. PATHOGENIC BACTERIOLOGY (–) [7½]. Prerequisite for academic students, General Chemistry, Chemistry 31, and Bacteriology 51, or equivalent. ‡Elective.

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* See footnote under Department of Anatomy for times when courses 101, 104, 110 are to be given.

† For the S.B. in Bacteriology these are required: Bacteriology 51, 101, 104, 107, 110, 115. Six courses in other natural sciences and six courses in departments outside the Division of Natural Sciences are also required. For such a planned program see page 81.

‡ Before registering for this course the academic student must secure the permission of his Dean.

Three lecture and nine laboratory hours a week, summer quarter. Laboratory fee for non-medical students, $6.00. Messrs. MacPherson, Straughn, ————.

104. INFECTION IMMUNITY AND SERUM DIAGNOSIS (–) [5½]. Prerequisite, Bacteriology 101 or its equivalent. *Elective.
Three lecture and five laboratory hours a week, fall quarter. Laboratory fee for non-medical students, $6.00. Messrs. MacPherson, Straughn, ————.

107. BACTERIOLOGY OF WATER AND FOODS (–) [5]. Prerequisite, Bacteriology 51. *Elective.
Two lecture and six laboratory hours a week, spring quarter. Mr. Straughn.

112. BACTERIAL PHYSIOLOGY (–) [6]. Prerequisite, Bacteriology 51, Chemistry 31, 42, 61, 62, and preferably Biochemistry 102 or 103.
Two lecture, one conference, and six laboratory hours a week, winter quarter. Laboratory fee, $6.00. Mr. Straughn.

115, 116, 117. ADVANCED BACTERIOLOGY (–) [5]. Prerequisite, Bacteriology 101 and 104. *Elective.
One conference and nine laboratory hours a week, any quarter. Laboratory fee, $4.00. Staff.

BIBLICAL HISTORY AND LITERATURE

Professors: P. H. EPPS, *Chairman,* J. P. HARLAND, A. C. HOWELL

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Courses for Undergraduates

85. ARCHAEOLOGY AND THE BIBLE (–) [5].
Five hours a week, winter quarter. (See Classics 85.) Mr. Harland.

86. BIBLICAL HISTORY FROM 536 B.C. TO 400 A.D. (–) [5].
Five hours a week, spring quarter. (See Classics 86.) Mr. Epps.

87a. LITERARY ASPECTS OF THE BIBLE: OLD TESTAMENT (3) [–].
Six hours a week, November-December term. (See English 87a.) Mr. Howell.

88. GREEK NEW TESTAMENT (3) [–]. Prerequisite, Greek 21 or equivalent.
Six hours a week, November-December term. (See Classics 88.) Mr. Epps.

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* Before registering for this course the academic student must secure the permission of his Dean.

DEPARTMENT OF BIOLOGICAL CHEMISTRY AND NUTRITION

Professor: J. C. ANDREWS
Associate Professor: G. C. KYKER
Assistant: J. C. TROTT
Fels Research Assistants: MILDRED M. MCEWEN, WILLIAM EUGENE CORNATZER, STELLA ALOGDELIS, HULDA JUSTINE WOHLTMANN

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Course for Undergraduates

41. ELEMENTARY FOOD AND NUTRITION (–) [3]. *Elective. *Three hours a week, winter quarter.* Mr. Andrews.

Courses for Graduates and Advanced Undergraduates

†102-103. GENERAL BIOLOGICAL CHEMISTRY (–) [11]. Prerequisite, Chemistry 42, 61, and 62. *Elective.
102: *Three lecture and eight laboratory hours a week, winter quarter;* 103: *Two lecture and four laboratory hours a week, spring quarter. Laboratory fee, $10.00 each quarter.* Messrs. Andrews, Kyker, and Assistant.

Courses for Graduates

201, 202. ADVANCED BIOLOGICAL CHEMISTRY (–) [4 each]. Prerequisite, Biological Chemistry 102-103 or equivalent.
Equivalent of four hours a week, winter and spring quarters. Laboratory fee, $10.00 each quarter. Messrs. Andrews, Kyker.

211, 212, 213. SEMINAR (–) [1 each]. Prerequisite, Biological Chemistry 102-103 or equivalent and a reading knowledge of German.
One hour a week, fall, winter and spring quarters. Messrs. Andrews, Kyker.

301, 302. RESEARCH IN BIOLOGICAL CHEMISTRY (–) [6 each]. Prerequisite, Biological Chemistry 201 or equivalent.
Equivalent of six hours a week, winter and spring quarters. Laboratory fee, $10.00 each quarter. Messrs. Andrews, Kyker.

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* Before registering for this course the academic student must secure the permission of his Dean.
† The student should register for 102 and 103 at the regular semester registration but the actual date of starting the course is delayed until the schedule of the corresponding quarter in the School of Medicine begins. Reference to the catalogue of the School of Medicine explains the apparent disagreement in the statement of hours a week and the semester credit hours.

*DEPARTMENT OF BOTANY

Kenan Research Professor Emeritus: W. C. COKER
Professors: J. N. COUCH, †H. R. TOTTEN
Associate Professor: J. E. ADAMS
Assistant Professor: E. H. NEWCOMER
Research Assistant: ALMA HOLLAND BEERS
Instructor: P. H. WARING WEBB
Part-time Instructor: HELEN M. PARKER (Nov. 1 —)
Teaching Fellow: JOSEPHINE STEWART
Part-time Curator: MARGARET JONES (Nov.-Dec.); ALBERT RADFORD (winter and spring); REBECCA BECKHAM
Graduate Assistants: HELEN M. PARKER (Sept.-Oct.); MARGARET JONES (Sept.-Oct.); ALICE RYLAND (Nov. 1 —); PAULINE LONGEST (spring); MAEBURN HUNEYCUTT (spring)

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Courses for Undergraduates

1. BOTANY (4) [5]. Freshman elective. This with Zoology 1 completes the freshman requirement for biology in the General College.

The structure and functions of plants, their evolution, and a survey of fundamental biological facts and principles illustrated by plants and the relationship of these to man.

Six lecture and four laboratory hours a week, November-December term; four lecture and two laboratory hours a week, winter and spring quarters. Laboratory fee, $2.00. Mr. Newcomer, Mr. Adams; Assistants.

41. GENERAL BOTANY (including Biology 1 for V-12 students) (5) [6].

Section 1. *Six lecture and eight laboratory hours a week, September-October and November-December terms; four lecture and four laboratory hours a week, winter and spring quarters. Laboratory fee, $4.00.* Mr. Adams, Mr. Couch, Mr. Webb; Assistants.

Section 2. For Pharmacy students only. *Four lecture and four laboratory hours a week, spring quarter. Laboratory fee, $4.00.* Mr. Totten; Assistant.

42. PHARMACEUTICAL BOTANY AND MICROSCOPICAL PHARMACOGNOSY (–) [5].

Two lecture and six laboratory hours a week, winter quarter. Laboratory fee, $4.00. Mr. Adams; Assistants.

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* For the A.B. with major in Botany, six courses of the level of 41 or higher are required. One course in Bacteriology and one in Zoology, may, with consent of the Department, be considered as part of the major. There are also required six courses in allied sciences, which shall include two 3- or 4-hour semester courses in each of the following sciences, unless the equivalent has been taken in the General College (it is assumed that at least two such courses would have been taken): Zoology, Chemistry, Physics, Geology. Six courses in Departments outside the Division of the Natural Sciences are required.

† Spring quarter; previously absent in military service.

43. SEED PLANTS (–) [6]. Prerequisite, General Botany.
Three lecture and six laboratory hours a week, spring quarter. Laboratory fee, $4.00. Mr. Totten.

Courses for Graduates and Advanced Undergraduates

(Prerequisite to all these courses, except where otherwise noted, Botany 41, 43, or their equivalent.)

103. ALGAE (–) [5].
One lecture and eight laboratory hours a week, spring quarter. Laboratory fee, $4.00. Mr. Couch.

111. FUNGI [6].
Two lecture and eight laboratory hours a week, winter quarter. Laboratory fee, $4.00. Mr. Couch.

113. FUNGI (4).
Two lecture and twelve laboratory hours a week, September-October term; continued as a half-credit course during November-December term. Laboratory fee, $4.00. Mr. Couch.

151. ADVANCED WORK IN SEED PLANTS (5) [–].
Four lecture and twelve laboratory hours a week, November-December term. Laboratory fee, $4.00. Mr. Adams.
(This course was given as Botany S154 for the same credit in the September-October term.)

153. ADVANCED WORK IN SEED PLANTS (–) [5].
Two lecture and six laboratory hours per week, spring quarter. Laboratory fee, $4.00. Mr. Adams.

156. PLANT GEOGRAPHY (2). Prerequisite, consult the instructor.
Four lecture hours a week, September-October term. Mr. Adams.

162. STUDIES IN THE HISTORY OF BOTANY (2) [–].
Four lecture or report hours per week, November-December term. Mr. Couch.

166. CYTOLOGY (–) [6].
The morphology and physiology of protoplasm and the cell in relation to metabolism, ontogenetic differentiation, heredity, and evolution.
Four lecture and four laboratory hours a week, winter quarter. Laboratory fee, $4.00. Mr. Newcomer.

176. CYTOGENETICS (–) [6].
Three lecture or report and six laboratory or field work hours a week, spring quarter. Laboratory fee, $4.00. Mr. Newcomer.

Courses for Graduates

211. PROBLEMS IN FUNGI (5) [–]. Prerequisite, consult the instructor.
Twenty hours of laboratory work a week (with conferences), November-December term. Laboratory fee, $4.00. Mr. Couch.

212, 213. PROBLEMS IN FUNGI (–) [6]. Prerequisite, consult the instructor.
Twelve hours of laboratory work a week (with conferences), winter and spring quarters. Laboratory fee, $4.00 a quarter. Mr. Couch.

*DEPARTMENT OF CHEMISTRY

Professors: R. W. BOST, F. K. CAMERON, J. T. DOBBINS, H. D. CROCKFORD, E. C. MARKHAM, O. K. RICE

Associate Professors: F. H. EDMISTER, ARTHUR ROE, S. B. KNIGHT, R. H. WILEY

Assistant Professor: R. L. MCKEE

Teaching Fellows: J. H. ANDERSON, F. B. JOYNER, C. R. SPELL

Part-time Instructors: D. C. ANDERSON, L. L. BENNETT, G. J. BRYAN, ANN CLARK, A. J. FOSTER, PEGGIE GARRISON, G. M. GOODALE, H. D. HANNAN, R. C. HARRINGTON, J. C. LEHR, RUTH LLOYD, MARTHA MCKEE, G. R. TRAMMELL, D. DEV. WALKER, J. P. WILLIAMS, G. F. YOUNG

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offereed in 1945-1946 are omitted.

Courses for Undergraduates

V-1. GENERAL DESCRIPTIVE CHEMISTRY (5) [–]. (This course was continued from the summer term.)
Three lecture and four laboratory hours a week, September-October term. Laboratory fee, $4.50. Mr. Roe.

1. GENERAL DESCRIPTIVE CHEMISTRY (3 1-3) [5].
Four lecture and four laboratory hours a week, November-December term. Laboratory fee, $4.50. Mr. Knight. *Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $3.00.* Messrs. Roe, McKee.

V-2. GENERAL DESCRIPTIVE CHEMISTRY (5) [–]. (This course was continued from the summer term.) Prerequisite, Chemistry V-1.
Three lecture and four laboratory hours a week, September-October term. Laboratory fee, $4.50. Mr. Edmister.

2. GENERAL DESCRIPTIVE CHEMISTRY (1.67) [This course, counting 2½ quarter hours credit, plus Chemistry V-1 and Chemistry 3 is equivalent to Chemistry 1-2-3]. Prerequisite, Chemistry V-1.
Three lecture and four laboratory hours a week, November-December term. Laboratory fee, $3.00. Mr. Markham.

2. GENERAL DESCRIPTIVE CHEMISTRY (–) [5] Prerequisite, Chemistry 1.
Three lecture and four laboratory hours a week, winter and spring quarters. Laboratory fee, $3.00 a quarter. Messrs. Crockford, Roe, Knight, McKee.

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* For the A.B. with a major in Chemistry (primarily for students preparing for medicine) these are required: Chemistry 31, 41, 42, 61, 62, 63. Six courses in other natural sciences and six courses in departments outside the Division of the Natural Sciences are required also.
For the S.B. in Chemistry see page 81.

3. GENERAL DESCRIPTIVE CHEMISTRY (–) [5]. Prerequisite, Chemistry 2.
Three lecture and four laboratory hours a week, winter and spring quarters. Laboratory fee, $3.00 a quarter. Messrs. Markham and Knight.

31. QUALITATIVE ANALYSIS (4) [–]. Prerequisite, Chemistry 1-2.
Four lecture and eight laboratory hours a week, November-December term. Laboratory fee, $10.00. Mr. Dobbins.

41. ELEMENTARY QUANTITATIVE ANALYSIS: GRAVIMETRIC (–) [6]. Prerequisite, Chemistry 31.
Three lecture and six laboratory hours a week, spring quarter. Laboratory fee, $10.00. Mr. Dobbins.

V-42. ELEMENTARY QUANTITATIVE ANALYSIS: VOLUMETRIC (4) [–]. Prerequisite, Chemistry 31.
Four lecture and eight laboratory hours a week, September-October term. Laboratory fee, $10.00. Mr. Knight.

42. ELEMENTARY QUANTITATIVE ANALYSIS: VOLUMETRIC (–) [6]. Prerequisite, Chemistry 31.
Three lecture and six laboratory hours a week, winter and spring quarters. Laboratory fee, $10.00 a quarter. Mr. Dobbins.

61. ORGANIC CHEMISTRY (4) [6]. Prerequisite, Chemistry 31.
Four lecture and eight laboratory hours a week, November-December term. Mr. Roe. *Three lecture and six laboratory hours a week, winter quarter. Laboratory fee, $10.00 a term or quarter.* Mr. McKee.

62. ORGANIC CHEMISTRY (6) [6]. Prerequisite, Chemistry 61.
Six lecture and twelve laboratory hours a week, November-December term. Laboratory fee, $15.00 a term. Mr. Roe. *Three lecture and six laboratory hours a week, winter and spring quarters. Laboratory fee, $10.00 a quarter.* Messrs. Roe, McKee.

63. ORGANIC CHEMISTRY (–) [6]. Prerequisite, Chemistry 62.
Three lecture and six laboratory hours a week, spring quarter. Laboratory fee, $10.00. Mr. Roe.

83. PHYSICAL CHEMISTRY FOR PREMEDICAL STUDENTS (–) [6]. Prerequisite, Chemistry 31, 42, Math 1, 2, 3, Physics 1, 2, 3. Does not carry credit toward S.B. in Chemistry.
Five lecture and two laboratory hours a week, spring quarter. Laboratory fee, $3.00. Mr. Crockford.

Courses for Graduates and Advanced Undergraduates

101. SPECIAL PROBLEMS IN CHEMISTRY (2) [3]. Prerequisite, to be determined by consultation.
Eight laboratory hours a week, November-December term. Mr. Edmister. *Six laboratory hours a week, winter and spring quarters. Laboratory fee, to be determined by consultation.* Messrs. Bost, Markham.

143. THEORETICAL ANALYTICAL CHEMISTRY (–) [6]. Prerequisite, Chemistry 31, 41, 42.
Six hours a week, winter quarter. Mr. Dobbins.

V-145. INSTRUMENTAL ANALYSIS. ELECTRICAL METHODS (3) [–]. Prerequisite, Chemistry 41, 42.
Two lecture and eight laboratory hours a week, September-October term. Laboratory fee, $10.00. Mr. Knight.

145. INSTRUMENTAL ANALYSIS. ELECTRICAL METHODS (–) [3]. Prerequisite, Chemistry 41, 42.
Six laboratory hours a week, winter quarter. Laboratory fee, $10.00. Mr. Markham.

146. INSTRUMENTAL ANALYSIS. OPTICAL METHODS (–) [3]. Prerequisite, Chemistry 41, 42.
One lecture and four laboratory hours a week, spring squarter. Laboratory fee, $10.00. Mr. Markham.

147. QUANTITATIVE ORGANIC MICROANALYSIS (2) [–]. Prerequisite, Chemistry 41, 42, 62.
Eight laboratory hours a week, November-December term. Laboratory fee, $10.00. Mr. Markham.

V-151. ADVANCED INORGANIC CHEMISTRY (3) [–]. Prerequisite, Chemistry 31, 42.
Six hours a week, September-October term. Mr. Edmister.

151. ADVANCED INORGANIC CHEMISTRY (–) [3]. Prerequisite, Chemistry 31, 42.
Three hours a week, spring quarter. Mr. Edmister.

152. ADVANCED INORGANIC CHEMISTRY (2) [–]. Prerequisite, Chemistry 31, 42.
Four hours a week, November-December term. Mr. Edmister.

153. ADVANCED INORGANIC CHEMISTRY (–) [3]. Prerequisite, Chemistry 31, 42.
Three hours a week, winter quarter. Mr. Edmister.

163. QUALITATIVE ORGANIC ANALYSIS (4) [–]. Prerequisite, Chemistry 61, 62.
Four lecture and eight laboratory hours a week, November-December term. Laboratory fee, $10.00. Mr. Bost.

166a. ADVANCED ORGANIC CHEMISTRY I (2) [–]. Prerequisite, or corequisite, Chemistry 163.
Four hours a week, November-December term. Mr. Bost.

V-166b. ADVANCED ORGANIC CHEMISTRY II (3) [–]. Prerequisite, or corequisite, Chemistry 163.
Six hours a week, September-October term. Mr. Roe.

167a. ADVANCED ORGANIC CHEMISTRY I (–) [3]. Prerequisite, or corequisite, Chemistry 163.
Three hours a week, winter quarter. Mr. Bost.

167c. ADVANCED ORGANIC PREPARATIONS (–) [3]. Prerequisite, or corequisite, Chemistry 163.
Six laboratory hours a week, winter quarter. Laboratory fee, $10.00. Mr. Roe.

168a. ADVANCED ORGANIC CHEMISTRY I (–) [3]. Prerequisite, or corequisite, Chemistry 163.
Three hours a week, spring quarter. Mr. Bost.

181. PHYSICAL CHEMISTRY (4) [–]. Prerequisite, Chemistry 31, 41, 42, 61, 62, and satisfactory work in physics and in integral and differential calculus.
Four lecture and six laboratory hours a week, November-December term. Laboratory fee, $10.00. Mr. Crockford.

182, 183. PHYSICAL CHEMISTRY (–) [6 each]. Prerequisite, Chemistry 181.
Three lecture and six laboratory hours a week, winter and spring quarters. Laboratory fee, $10.00. a quarter. Mr. Crockford.

184. CHEMICAL THERMODYNAMICS (2) [–]. Prerequisite, Chemistry 181, 182.
Four hours a week, November-December term. Mr. Rice.

185, 186. CHEMICAL THERMODYNAMICS (–) [3 each]. Prerequisite, Chemistry 184.
Three hours a week, winter and spring quarters. Mr. Rice.

191. INDUSTRIAL CHEMISTRY (2) [–]. Prerequisite, Chemistry 61, 62.
Four hours a week, November-December term. Mr. Cameron.

192, 193. INDUSTRIAL CHEMISTRY (–) [3 each]. Prerequisite, Chemistry 61, 62, 63.
Three hours a week, winter and spring quarters. Mr. Cameron.

Courses for Graduates

243. SEMINAR IN ANALYTICAL CHEMISTRY (–) [3]. Prerequisite, or corequisite, Chemistry 143.
Three hours a week, spring quarter. Mr. Dobbins.

244. SPECIAL TOPICS IN ANALYTICAL CHEMISTRY (2) [–]. Prerequisite, Chemistry 143, 182.
Four hours a week, November-December term. Mr. Markham.

245, 246. SPECIAL TOPICS IN ANALYTICAL CHEMISTRY (–) [3 each]. Prerequisite, Chemistry 244.
Three hours a week, winter and spring quarters. Mr. Markham.

251. SEMINAR IN INORGANIC CHEMISTRY (2) [–]. Prerequisite, Chemistry 151.
Four hours a week, November-December term. Mr. Edmister.

V-258. HISTORY OF CHEMISTRY (3) [–]. Prerequisite, Chemistry 31, 61, 62.
Six hours a week, September-October term. Mr. Edmister.

258, 259. HISTORY OF CHEMISTRY (–) [3 each]. Prerequisite, Chemistry 31, 61, 62.
Three hours a week, winter and spring quarters. Mr. Edmister.

281. ATOMIC AND MOLECULAR CHEMISTRY (2) [–]. Prerequisite, Chemistry 181, 182.
Four hours a week, November-December term. Mr. Rice.

284, 285. STATISTICAL PROBLEMS IN CHEMISTRY (–) [3 each]. Prerequisite, Chemistry 281.
Three hours a week, winter and spring quarters. Mr. Rice.

RESEARCH COURSES.
Laboratory fee, $10.00 a course.

V-341. ANALYTICAL CHEMISTRY (6) [–].
September-October term. Mr. Knight.

341. ANALYTICAL CHEMISTRY (4) [6].
November-December term; winter and spring quarters. Messrs. Dobbins, Markham, Knight.

V-351. INORGANIC CHEMISTRY (6) [–].
September-October term. Mr. Edmister.

351. INORGANIC CHEMISTRY (4) [6].
November-December term, winter and spring quarters. Mr. Edmister.

V-361. ORGANIC CHEMISTRY (6) [–].
September-October term. Mr. Roe.

361. ORGANIC CHEMISTRY (4) [6].
November-December term, winter and spring quarters. Messrs. Bost, Roe.

V-381. PHYSICAL CHEMISTRY (6) [–].
September-October term. Mr. Knight.

381. PHYSICAL CHEMISTRY (4) [6].
November-December term, winter and spring quarters. Messrs. Crockford, Rice.

391. INDUSTRIAL CHEMISTRY (4) [6].
November-December term, winter and spring quarters. Mr. Cameron.

*DEPARTMENT OF CLASSICS

Professors: B. L. ULLMAN, J. P. HARLAND, P. H. EPPS
Associate Professor: WALTER ALLEN, JR.
Assistant Professor: A. I. SUSKIN
Instructors: T. M. SIMKINS, JR., CORINNE GREEN
Teaching Fellow: HELEN LANNEAU

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

GREEK

Courses for Undergraduates

† 1-2-3. ELEMENTARY AND INTERMEDIATE GREEK (3 each) [5 each].
Six hours a week, November-December term, five hours a week, winter and spring quarters. Mr. Epps.

21. ADVANCED GREEK (3) [–]. Prerequisite, Greek 1-2 or 11-12 or equivalent. (Continued from the first summer session.)
Three hours a week, September-October term. Mr. Epps.

88. GREEK NEW TESTAMENT (3) [–]. Prerequisite, Greek 21 or equivalent.
Six hours a week, November-December term. Mr. Epps.

Courses for Graduates and Advanced Undergraduates

153. GREEK TRAGEDY (–) [5]. Prerequisite, Greek 21-22 or equivalent.
Five hours a week, winter quarter. Mr. Epps.

Courses for Graduates

1-G. ELEMENTARY GREEK FOR GRADUATES.
Five hours a week, spring quarter. Mr. Epps.

(For additional courses see below under Courses Requiring No Knowledge of the Greek or Latin Language and under Comparative Literature. Attention is called also to courses in the Department of Comparative Linguistics.)

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* Students interested in having their major in Greek or Latin should consult the Department in the last quarter of their sophomore year.

† Two quarters of Greek or Latin or Mathematics 7-8 or the equivalent must be taken by each candidate for the degree of A.B.

*LATIN

Courses for Undergraduates

† 1-2-3. ELEMENTARY AND INTERMEDIATE LATIN (3 each) [5 each].
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Mr. Simkins, Mr. Suskin, Miss Lanneau.

† 11-12. INTERMEDIATE LATIN (3 each) [5 each].
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Miss Green, Mr. Simkins, Mr. Suskin, Mr. Allen.

21-22. ADVANCED LATIN (3 each) [5 each]. Prerequisite, three or four units of high school Latin, or Latin 11-12.
Freshman and sophomore elective. *Six hours a week, November-December term; five hours a week, winter and spring quarters.* Miss Green, Mr. Allen, Mr. Simkins.

NOTE: Courses in Directed Teaching of High School Latin and in Materials and Methods of Teaching High School Latin will be found under the Department of Education.

Courses for Graduates and Advanced Undergraduates

101. ROMAN HISTORICAL LITERATURE (3) [–]. Prerequisite, Latin 21-22.
Six hours a week, November-December term. Mr. Ullman.

102. ROMAN DRAMATIC LITERATURE (–) [5]. Prerequisite, Latin 21-22.
Five hours a week, winter quarter. Mr. Ullman.

104. CICERO (–) [5]. Prerequisite, Latin 21-22.
Five hours a week, spring quarter. Mr. Ullman.

110. MEDIEVAL LATIN (–) [5]. Prerequisite, Latin 21-22 or the equivalent, as a minimum.
Five hours a week, spring quarter. Mr. Ullman.

Courses for Graduates

202. LATIN EPIGRAPHY (–) [5].
Five hours a week, one quarter. Mr. Ullman.

203. LATIN PALEOGRAPHY (–) [5].
Five hours a week, one quarter. Mr. Ullman.

301, 302. LATIN SEMINARS (3 each) [5 each].
Six hours a week, November-December term; five hours a week, winter quarter. Mr. Ullman.

310. THESIS COURSE (–) [5].
Any quarter. Mr. Ullman.

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* See notes on the major under Department of Classics.
† Two quarters of Greek or Latin or Mathematics 7-8 or the equivalent must be taken by each candidate for the degree of A.B.
The elementary portion of 1-2 carries no credit towards a degree, but the tuition charge is for the actual time devoted to instruction.

Courses Requiring No Knowledge of the Greek or Latin Language

The following courses in classical literature and civilization are especially designed to supply the necessary foundation for those who, without a reading knowledge of the ancient languages, wish a broader culture, or plan to specialize in modern literature, history, art, etc. When properly approved, they will be allowed to count as part of the major requirement in other departments. They may be taken also to satisfy the requirements of a minor in literature. See also under Comparative Literature.

Courses for Undergraduates

62. LATIN LITERATURE (–) [5].
Five hours a week, winter quarter. Mr. Suskin.

75. GREEK CIVILIZATION (–) [5].
Five hours a week, winter quarter. Mr. Harland.

76. ROMAN CIVILIZATION (–) [5].
Five hours a week, spring quarter. Mr. Allen.

85. ACHAEOLOGY AND THE BIBLE (–) [5].
Five hours a week, winter quarter. Mr. Harland.

86. BIBLICAL HISTORY FROM 536 B.C. TO 400 A.D. (–) [5].
Five hours a week, spring quarter. Mr. Epps.

91. ARCHAEOLOGY OF THE NEAR EAST (3) [–].
Six hours a week, November-December term. Mr. Harland.

92. GREEK ARCHAEOLOGY (3) [–].
Six hours a week, September-October and November-December terms. Mr. Harland.

93. GREEK SCULPTURE (–) [5].
Five hours a week, spring quarter. Mr. Harland.

94. GREEK ART (3) [–].
Six hours a week, November-December term. Mr. Harland.

97. GREEK AND ROMAN ART (–) [5].
Five hours a week, winter quarter. Mr. Harland.

Courses for Graduates and Advanced Undergraduates

107. GREEK DRAMATIC LITERATURE (–) [5].
Five hours a week, winter quarter. Mr. Epps.

191. EGYPTIAN ARCHAEOLOGY (3) [–]. Prerequisite, Archaeology 91.
Six hours a week, November-December term. Mr. Harland.

Courses for Graduates

292. HELLENIC ARCHITECTURE (–) [5]. Prerequisite, Archaeology 91 or 92 or 93, or Ancient History.
Five hours a week, winter quarter. Mr. Harland.

293. HELLENIC SCULPTURE (–) [5]. Prerequisite, Archaeology 92 or 93, or Greek 75, or Ancient History.
Five hours a week, spring quarter. Mr. Harland.

DEPARTMENT OF COMPARATIVE LINGUISTICS

DEAN W. W. PIERSON, *Chairman*

Professors: E. E. ERICSON, U. T. HOLMES, R. S. BOGGS, G. S. LANE, (Secretary)

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

General

105. CELTIC: OLD IRISH (–) [5]. See Under Romance Languages (French).
Five hours a week, spring quarter. Mr. Holmes.

English Linguistics

95. THE MODERN ENGLISH LANGUAGE (–) [5]. See under English.
Five hours a week, spring quarter. Mr. Ericson.

101. OLD ENGLISH GRAMMAR AND READINGS (3) [–].
Six hours a week, November-December term. Mr. Ericson.

201. STUDIES IN OLD ENGLISH LITERATURE: BEOWULF (–) [5]. Prerequisite, English 101.
Five hours a week, winter quarter. Mr. Ericson.

204. HISTORY OF THE ENGLISH LANGUAGE (–) [5]. Prerequisite, 101, 202.
Five hours a week, spring quarter. Mr. Ericson.

Germanic Linguistics

223. COMPARATIVE GERMANIC GRAMMAR (–) [5]. See under Germanic Languages.
Five hours a week, spring quarter. Mr. Lane.

Romance Linguistics

126. HISTORY OF THE FRENCH LANGUAGE (3) [–]. Prerequisite, French 72.
Six hours a week, November-December term. Mr. Holmes.

221-222-223. OLD FRENCH (3 each) [5 each].
Six hours a week, November-December term, five hours a week, winter and spring quarters. Mr. Holmes.

225. PROVENÇAL (–) [5].
(1945-1946 and alternate years.) *Five hours a week, winter quarter.* Mr. Holmes.

221-222. OLD SPANISH (–) [10].
Ten hours a week, spring quarter. Mr. Boggs.

*DEPARTMENT OF COMPARATIVE LITERATURE

Professors: H. R. HUSE, *Acting Chairman*, H. CRAIG, U. T. HOLMES, JR., A. C. HOWELL, R. P. BOND, S. A. STOUDEMIRE, W. L. WILEY, P. H. EPPS, R. S. BOGGS
Associate Professor: W. P. FRIEDERICH
Assistant Professor: R. D. HUME
Instructor: A. I. SUSKIN

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses gives in alternate years not offered in 1945-1946 are omitted.

LITERATURE IN ENGLISH TRANSLATION

Courses for Undergraduates

61. GREEK LITERATURE (–) [5].
Five hours a week, winter quarter. Mr. Epps.

62. LATIN LITERATURE (–) [5].
Five hours a week, winter quarter. Mr. Suskin.

65. ORIENTAL LITERATURE (–) [5].
Five hours a week, spring quarter. Mr. Holmes.

87. LITERARY ASPECTS OF THE BIBLE (3) [–].
See Biblical History and Literature 87.

Courses for Graduates and Advanced Undergraduates

117. CERVANTES (3) [–].
Six hours a week, November-December term. Mr. Stoudemire.

135. FRENCH CLASSICISM (–) [5].
Five hours a week, spring quarter. Mr. Wiley.

137. SURVEY OF GERMAN LITERATURE (–) [5].
Five hours a week, spring quarter. Mr. Friederich.

155. GOETHE (–) [5].
Five hours a week, winter quarter. Mr. Friederich.

156. DANTE (–) [5].
Five hours a week, winter quarter. Mr. Huse.

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* An undergraduate major in the department consists normally of six to eight courses, two of which must be in the classics. Students are encouraged to substitute courses in the original languages whenever possible. The following are recommended particularly: Greek 71, 80, 82, 181; Latin 51, 53, 101, 104, 106; English 50, 70, 84, 99, 125; French 71, 72, 109, 115, 161, 181, 191; Spanish 71, 72, 110, 115, 116, 131, 132; German 109, 111, 115, 131, 141, 151; Italian 131, 132, 161.

COMPARATIVE COURSES

For Graduates and Advanced Undergraduates

107. GREEK DRAMATIC LITERATURE (–) [5].
Five hours a week, winter quarter. Mr. Epps.

162. MODERN DRAMA (–) [5].
(1945-1946 and alternate years). *Five hours a week, spring quarter.* Mr. Hume.

173. MEDIEVAL ROMANCE (–) [5].
Five hours a week, winter quarter. Mr. Craig.

175. RENAISSANCE AND BAROQUE (–) [5].
Five hours a week, spring quarter. Mr. Friederich.

177. CLASSICISM AND PRE-ROMANTICISM (3) [–].
Six hours a week, November-December term. Mr. Friederich.

185. INTRODUCTION TO FOLKLORE (–) [5].
Five hours a week, spring quarter. Mr. Boggs.

Courses for Graduates

395. RESEARCH (with thesis 3) [with thesis 5].
Messrs. Huse and Friederich.

*DEPARTMENT OF DRAMATIC ART

Professors: SAMUEL SELDEN, †PAUL GREEN, G. R. COFFMAN
Associate Professor: R. B. SHARPE
Assistant Professors: ‡H. E. DAVIS, ‡J. W. PARKER, ‡EARL WYNN, ROBERT BURROWS, DOUGLAS HUME, FOSTER FITZ-SIMONS
Visiting Lecturer: KAI H. JURGENSEN
Instructors: ‡ROBERT LYNN GAULT, JANE GRILLS, IRENE SMART
Assistants: LYNN LEONARD, ELIZABETH JOHNSON, HAZEL HARRIS, MARY BROOKS POPKINS, WILLIAM CHICHESTER

Admission to the Department of Dramatic Art presupposes the completion of the work of the General College in this institution or of equivalent work done elsewhere.

The courses in the Department of Dramatic Art are designed to give the student a comprehensive knowledge of the literature of the drama and intensive training in all phases of theatre work, from the writing of the play to the completed presentation before an audience.

Intensive study and research in all phases of dramatic art are made effective through introductory and advanced lecture courses, the seminar, and supervised practice work in theatre technique. The library resources for the student of dramatic literature and history of the theatre include a large and constantly increasing collection of critical and technical works and plays of all periods.

Practical training for the student of playwriting, acting, directing, and technical work is provided by the production unit of the Department of Dramatic Art, The Carolina Playmakers. The Playmakers Theatre building, the Forest Theatre, and the scene shop furnish ample opportunity for the student to test theory with practice, in both experimental and public performances.

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Courses for Undergraduates

40 (55). VOICE TRAINING (3) [5]. Same as English 40.
Five lectures and one laboratory period a week, September-October and November-December terms, four lectures and one laboratory period a week, winter and spring quarters. Fee for materials, $2.00. Mr. Hume.

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* Requirements for an undergraduate with a major in Dramatic Art. *A minimum of eighteen courses distributed as follows:*

Three courses from the following: playwriting (155, 156, 157) and Theatre Arts (55, 61, 63, 64, 65, 66, 67, 70, 75.) [Those planning to take graduate work must include one course in playwriting and one in acting on the undergraduate level. Those who intend to take the advanced course in Staging Methods, see prerequisite courses for that course.]

Two courses in dramatic literature from American Drama (149), History of the Theatre (160), Comparative Drama (161), Modern Drama (162).

One course in Shakespeare in the Theatre (150).

One course in Voice Training (40).

Four to seven courses in allied departments of the Division of the Humanities, to be taken after conference with the Departmental Adviser.

Four to seven courses from other divisions.

Students interested in reading for honors in Drama should consult the statements on p. 76 (Division of the Humanities).

† On leave of absence.

‡ Absent on leave in military service.

55. ADVANCED VOICE TRAINING (–) [5]. Prerequisite, Dramatic Art 40.
This course is the same as English 55. Enrollment limited. *Four lectures and one laboratory period a week, spring quarter. Fee for materials, $2.00.* Mr. Hume.

61. ACTING (3) [5].
Six hours a week, September-October and November-December terms, five hours a week, winter quarter. Fee for materials, $2.00. Messrs. Selden, Jurgensen, Fitz-Simons.

63. PLAY DIRECTION (–) [5]. Prerequisite, Dramatic Art 61.
Registration is limited. Before registering for this course, students must secure the permission of Professor Selden. Students training for teaching who wish to take this course to complete a minor program in Dramatic Art should consult their advisers. Five hours a week, spring quarter. Fee for materials, $2.00. Messrs. Selden, Jurgensen.

All students enrolling in the following three stagecraft courses will be expected to assist with the technical work in the productions of The Carolina Playmakers.

64. SCENERY CONSTRUCTION AND PAINTING (3) [5].
Three lecture and six laboratory hours a week, September-October term; two lecture and six laboratory hours a week, winter quarter. Fee for materials, $2.00. Mr. Burrows.

65. STAGE LIGHTING (3) [–].
Three lecture and six laboratory hours a week, November-December term. Fee for materials, $2.00. Mr. Burrows.

66. STAGE DESIGN (–) [5].
Two lecture and six laboratory hours a week, spring quarter. Fee for materials, $2.00. Mr. Fitz-Simons.

67. COSTUMING (–) [5].
Two lecture and six laboratory hours a week, winter and spring quarters. Fee for materials, $2.00. Mrs. Smart.

70. RADIO PRODUCTION (3) [5].
Four lecture and four laboratory hours a week, November-December term; three lecture and four laboratory hours a week, winter and spring quarters. Fee for materials, $2.00. Miss Grills.

75. DRAMATIC SCRIPT-WRITING FOR THE RADIO (3) [5]. Prerequisite, Dramatic Art 155 or 156.
A practical course in the preparation of radio plays, sketches, documentaries, and other forms of dramatic writing. *Six hours a week, November-December term; five hours a week, winter and spring quarters. Fee for materials, $1.00.* Miss Grills.

Courses for Graduates and Advanced Undergraduates

149. AMERICAN DRAMA (3) [–].
(1945-1946 and alternate years.) *Six hours a week, November-December term.* Mr. Hume.

150 (50). SHAKESPEARE IN THE THEATRE (3) [–].
Six hours a week, September-October term. Mr. Jurgensen.

The following courses in playwriting (155, 156, 157) should be taken consecutively. If it is not practicable to do this, however, the student may, with the consent of Professor Selden, take any one of the three courses offered. Under exceptional circumstances a student may repeat one or more of the courses for credit. Special permission is necessary for this privilege.

155. PLAYWRITING AND EXPERIMENTAL PRODUCTION I (3) [–].
Six hours a week, September-October and November-December terms. Fee for experimental production, $3.00. Messrs. Selden, Jurgensen.

156. PLAYWRITING AND EXPERIMENTAL PRODUCTION II (–) [5].
Five hours a week, winter quarter. Fee for experimental production, $3.00. Messrs. Selden, Jurgensen.

157. PLAYWRITING AND EXPERIMENTAL PRODUCTION III (–) [5].
Five hours a week, spring quarter. Fee for experimental production, $3.00. Messrs. Selden, Jurgensen.

160. HISTORY OF THE THEATRE (–) [5].
(1945-1946 and alternate years.) *Five hours a week, winter quarter.* Mr. Hume.

161. COMPARATIVE DRAMA (–) [5].
(1946-1947 and alternate years.) *Five hours a week, spring quarter.* Mr. Hume.

162. MODERN DRAMA (–) [5].
(1946-1947 and alternate years.)
Five hours a week, winter quarter. Mr. Hume.

*193. TEACHING DRAMATIC ART (–) [5].
Five hours a week, spring quarter. Fee for materials, $2.00. Mr. Parker.

Courses for Graduates

199. THEATRE WORKSHOP (–) [3-12 hours course credit, not towards a degree].
Open to a limited number of qualified students who have already secured a bachelor's or master's degree. Before registering for this course, students must secure the special permission of the head of the department. The Staff of The Carolina Playmakers.

201. PLAY DIRECTING, ADVANCED (–) [5]. Prerequisite, Dramatic Art 61 and 63, or equivalent training in acting and directing.
Five hours a week, spring quarter. Fee for materials, $3.00. Mr. Selden.

202. STAGING METHODS (–) [5]. Prerequisite, Dramatic Art 64, 65, 66, and a course in freehand drawing and painting or equivalent training in designing and technical practice.
Five hours a week, winter quarter. Fee for materials, $2.00. Mr. Burrows.

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* Similar in general content to Dramatic Art 63. Students can receive degree credit for one or the other of these courses, but not for both.

203. TECHNICAL PROBLEMS IN PLAYWRITING (–) [5]. Prerequisite, Dramatic Art 155 or 156.
Five hours a week, winter quarter. Mr. Selden.

325. SEMINAR IN DRAMATIC ART (4) [–].
Four hours a week, November-December term. Messrs. Selden, Sharpe.

340. SPECIAL READINGS (3) [5].
Research in a special field of Modern Drama or the History of the Theatre. This course may not be repeated for credit. Mr. Selden.

*DEPARTMENT OF ECONOMICS AND COMMERCE

Professors: D. D. CARROLL, E. E. PEACOCK, R. J. M. HOBBS, J. B. WOOSLEY, C. P. SPRUILL, †G. T. SCHWENNING, CLARENCE HEER, H. D. WOLF, ‡D. H. BUCHANAN, †E. M. BERNSTEIN, M. S. HEATH, †M. D. TAYLOR, D. J. COWDEN, §R. S. WINSLOW, J. M. LEAR, ERVIN HEXNER, ||R. P. CALHOON

Associate Professors: †J. G. EVANS, R. H. SHERRILL, J. E. DYKSTRA, §O. T. MOUZON, ||H. M. OLIVER, JR.

Assistant Professors: †A. T. BONNELL, †J. C. D. BLAINE, †D. F. MARTIN, JR., P. L. BROWN

Lecturers: FRANZ GUTMANN, ¶C. P. ANSON, ¶A. G. GRIFFIN, ¶C. C. CARTER

Instructors: H. E. KLONTZ, A. C. GASKILL, ‡R. L. STALLINGS, ||J. L. GOUGER, ||F. J. KOTTKE, ||FRED WEAVER

Teaching Fellows: VIRGINIA AUSTIN, S. A. ROSENBERG

Graduate Assistants: CALVIN CUTLER, PAUL WILSON

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

*ECONOMICS

Courses for Undergraduates

31. GENERAL ECONOMICS (3) [5]. Not open to Freshmen. Does not carry any credit unless followed by Economics 32.
Sophomore elective. *Six hours a week, November-December term; five hours a week, winter and spring quarters.* Messrs. Carroll, Spruill, Heath, Cowden, Lear, Oliver, Anson, Griffin, Kottke, Weaver, Rosenberg.

* For an A.B. degree with a major in Economics, a student must complete Economics 31-32 or equivalent in the General College and six or seven additional courses in Economics. The student will be required to select five to seven courses also from related departments in the Division of the Social Sciences and five to seven courses from the Division of the Natural Sciences and the Humanities.
† Absent on leave in military or government service.
‡ Returned from leave January, 1946.
§ Returned from leave November, 1945.
|| Appointed March, 1946.
¶ Appointed January, 1946.

32. GENERAL ECONOMICS (continued) (–) [5]. Not open to Freshmen. Prerequisite, Economics 31.
Sophomore elective. *Five hours a week, winter and spring quarters.* Messrs. Spruill, Buchanan, Heath, Lear, Oliver, Anson, Griffin.

34. GENERAL ECONOMICS (5) [–]. Not open to Freshmen.
Sophomore elective. *Ten hours a week, September-October term.* This is an intensive course and satisfies the requirement as prerequisite for advanced courses in economics. Mr. Lear.

41. RESOURCES AND INDUSTRIES (4) [5].
Eight hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Messrs. Mouzon, Klontz.

61. PRINCIPLES OF ECONOMICS (3) [5]. Not open to Freshmen or Sophomores and does not serve as prerequisite to advanced courses.
Six hours a week, November-December term; five hours a week, winter and spring quarters. Messrs. Heer, Wolf.

81. PRINCIPLES OF MONEY AND BANKING (3) [5]. Prerequisite, Economics 31-32 or equivalent.
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Mr. Gutmann.

Courses, which began March 1944, offered by the Department of Economics and Commerce to students in the Navy Pre-Supply Corps. The credits shown in parenthesis are stated in semester hours.

BA1-2. PRINCIPLES OF ECONOMICS I AND II (6). Economic principles and economic institutions—their application to concrete problems. *Three lecture-recitation periods a week for two semesters.* Messrs. Wolf, Lear, Floyd, Mehr, Winslow.

BA5a-6a. ACCOUNTING Ia-IIa (8). The content of these courses is the same as Commerce 71-72. *Three lecture-recitation periods and one 2-hour laboratory period a week for two semesters.* Messrs. Sherrill, Gaskill.

BA7a-7b. STATISTICS Ia-IIa (8). Statistical methods of measuring economic data; collection of data; average; charts; seasonal variation; secular trends; cyclical fluctuations; business barometers; correlation. *Three lecture-recitation periods and one 2-hour laboratory period a week for two semesters.* Mr. Cowden.

BA10-11. Business Finance (8). Financial operations of business enterprises including relations with banks and financial institutions. It is contemplated that corporation finance will be covered in the second term. *Four lecture-recitation periods a week for two semesters.* Mr. Woosley.

BA12-13. BUSINESS ORGANIZATION AND MANAGEMENT (8). The historical background of industry; the industrial revolution; development of business institutions in the United States; forms of business organization; principles of organization and administration.

Practice in writing reports is an integral part of this course. *Three lecture-recitation periods and one 2-hour laboratory period a week for two semesters.* Messrs. Dykstra, Mehr.

BA14. CASE ANALYSIS OF BUSINESS PROBLEMS (3). Application of economic, accounting, statistical, and management analysis to consideration of business problems set up in business cases. *Three lecture-recitation periods a week every semester.* Messrs. Dykstra, Woosley.

BA15-16. BUSINESS LAW (6). Survey of law; courts and administrative agencies. Contracts. Agency. Bailments. Sales. Negotiable Instruments. Partnerships. Corporations. *Three lecture-recitation periods a week for two semesters.* Mr. Hobbs.

BA17. ELEMENTARY COST ACCOUNTING (4). An introductory consideration of the basic principles of cost accounting, together with their practical application in the development of cost-accounting procedures and controls. *Three lecture-recitation periods and one 2-hour laboratory period a week every semester.* Mr. Peacock.

BA18. ACCOUNTING AND STATISTICAL CONTROLS (3). A study of the administrative use of accounting and statistical controls. *Three lecture-recitation periods a week every semester.* Messrs. Cowden, Peacock.

BA19. MARKETING (3).
The present marketing structure and institutions, policies, procedures, channels, and agencies. *Three lecture-recitation periods a week every semester.* Mr. Brown.

Courses for Graduates and Advanced Undergraduates

111. RESOURCES AND TECHNICS IN WORLD ECONOMY (3) [–]. Prerequisite, Economics 31-32 or equivalent.
Six hours a week, November-December term. Mr. Mouzon.

124. PRINCIPLES OF MARKETING (3) [5]. Prerequisite, Economics 31-32 or equivalent.
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Messrs. Taylor, Brown.

141. PUBLIC FINANCE (3) [5]. Prerequisite, Economics 31-32 or equivalent.
Six hours a week, November-December term; five hours a week, spring quarter. Mr. Heer.

142. PROBLEMS IN FEDERAL FINANCE (–) [5]. Prerequisite, Economics 141.
Five hours a week, spring quarter. Mr. Heer.

151. TRANSPORTATION (3) [5]. Prerequisite, Economics 31-32 or equivalent.
Six hours a week, September-October term; five hours a week, spring quarter. Mr. Heath.

161. THEORY OF INTERNATIONAL TRADE (3) [–]. Prerequisite, Economics 31-32 or equivalent.
Six hours a week, November-December term. Messrs. Hexner, Bonnell.

170. ECONOMIC STATISTICS (4) [6]. Prerequisite, Freshman Mathematics, Economics 31-32 or equivalent.
Six lecture and four laboratory hours a week, September-October and November-December terms; four lecture and four laboratory hours a week, winter and spring quarters. Laboratory fee, $3.00. Mr. Cowden.

171. ADVANCED ECONOMIC STATISTICS I (4) [6]. Prerequisite, Economics 170 or its equivalent.
Six lecture and four laboratory hours a week, September-October term; four lecture and four laboratory hours a week, winter quarter. Laboratory fee, $3.00. Mr. Cowden.

185. BUSINESS CYCLES (3) [5]. Prerequisite, Economics 31-32 or equivalent, and 81.
Six hours a week, November-December term; five hours a week, winter quarter. Mr. Gutmann.

191. AN INTRODUCTION TO THE LABOR PROBLEM (3) [5]. Prerequisite, Economics 31-32 or equivalent.
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Mr. Wolf.

192. LABOR AND SOCIAL CONTROL (–) [5]. Prerequisite, Economics 191.
Five hours a week, spring quarter. Mr. Wolf.

195. THEORIES OF ECONOMIC REFORM (–) [5]. Prerequisite, Economics 31-32 or equivalent.
Five hours a week, spring quarter. Mr. Carroll.

Courses for Graduates

211. ADVANCED COMMODITY ECONOMICS (–) [5]. Prerequisite, Economics 41, 31-32, or equivalent.
Five hours a week, winter quarter. Mr. Mouzon.

251-252-253. ADVANCED ECONOMIC THEORY (9) [15]. Prerequisite, Economics 31-32 or equivalent.
Six hours a week, September-October and November-December terms; five hours a week, winter quarter. Mr. Heath.

282. COMMERCIAL AND CENTRAL BANKING (–) [5]. Prerequisite, Economics 81 or equivalent.
Five hours a week, winter quarter. Mr. Woosley.

371. RESEARCH IN ECONOMIC STATISTICS (–) [5].
Equivalent of five hours a week, spring quarter. Mr. Cowden.

NOTE: *Registration for this course must be approved by the professor in charge.*

385. ECONOMIC DYNAMICS (–) [5].
Equivalent of five hours a week, spring quarter. Mr. Oliver.

NOTE: *Registration for this course must be approved by the professor in charge.*

391. HUMAN RELATIONS IN INDUSTRY (3) [–].
Equivalent of six hours a week, September-October term. Mr. Wolf.

NOTE: *Registration for this course must be approved by the professor in charge.*

399. SEMINAR (3) [5].
Individual research in a special field under direction of a member of the department.

COMMERCE

(Courses in Commerce count for credit toward the degree S. B. in Commerce only.)

Courses for Undergraduates

51. BUSINESS ORGANIZATION (3) [5]. Prerequisite, Economics 31 or equivalent.
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Messrs. Dykstra, Anson, Stallings.

61. SALES MANAGEMENT (3) [–]. Prerequisite or corequisite, Economics 31-32 or equivalent, Economics 124.
Six hours a week, November-December term. Laboratory fee, $1.00. Messrs. Taylor, Brown.

66. GENERAL PSYCHOLOGY FOR STUDENTS OF COMMERCE (–) [5]. For students in the School of Commerce; not open to others.
Five hours a week, winter and spring quarters. Fee for materials, $1.00. Mr. Bagby.

71. ACCOUNTING PRINCIPLES I (4) [6]. Prerequisite or corequisite, Economics 31-32 or equivalent, Commerce 51.
Six lecture and four laboratory hours a week, September-October and November-December terms; four lecture and four laboratory hours a week, winter and spring quarters. Laboratory fee, $3.00. Messrs. Peacock, Sherrill, Stallings, Gaskill.

72. ACCOUNTING PRINCIPLES II (4) [6]. Prerequisite, Commerce 71.
Six lecture and four laboratory hours a week, September-October and November-December terms; four lecture and four laboratory hours a week, winter and spring quarters. Laboratory fee, $3.00. Messrs. Peacock, Sherrill, Gaskill, Gouger.

91. BUSINESS LAW (3) [5]. Prerequisite, Economics 31-32 or equivalent.
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Messrs. Hobbs, Carter.

92. BUSINESS LAW (3) [5]. Prerequisite, Commerce 91.
Six hours a week, November-December term; five hours a week, winter and spring quarters. Mr. Hobbs.

Courses for Graduates and Advanced Undergraduates

121. INSURANCE: LIFE (–) [5]. Prerequisite, Economics 31-32 or equivalent.
Five hours a week, winter quarter. Mr. Lear.

122. INSURANCE: FIRE, MARINE, BOND, AND TITLE (–) [5]. Prerequisite, Economics 31-32 or equivalent.
Five hours a week, spring quarter. Mr. Lear.

151. PRINCIPLES OF INDUSTRIAL MANAGEMENT (3) [5]. Prerequisite, Economics 31-32 or equivalent, Commerce 51.
Six hours a week, September-October and November-December terms; five hours a week, winter quarter. Mr. Dykstra.

154. PRODUCTION MANAGEMENT: THEORIES AND PRACTICES (–) [6]. Prerequisite, Economics 31-32 or equivalent, Commerce 51, 151.
Five lecture and two laboratory hours a week, winter and spring quarters. Laboratory fee, $3.00. Mr. Dykstra.

155. PERSONNEL MANAGEMENT (–) [5]. Prerequisite, Economics 31-32 or equivalent, Commerce 51, 155.
Five hours a week, winter and spring quarters. Messrs. Schwenning, Wolf, Calhoun.

156. PERSONNEL PROBLEMS (–) [5]. Prerequisite, Economics 31-32 or equivalent, Commerce 51, 155.
Five hours a week, spring quarter. Messrs. Schwenning, Calhoun.

157. TIME AND MOTION STUDY (–) [6]. Prerequisite, Economics 31-32 or equivalent, Commerce 51, 151, 154. Open only to seniors and graduate students.
Five lecture and two laboratory hours a week, spring quarter. Laboratory fee, $3.00. Mr. Dykstra.

161. ADVERTISING (3) [–]. Prerequisite, Economics 31-32 or equivalent.
Six hours a week, September-October term. Messrs. Taylor, Brown.

163. ADVANCED COURSE IN MARKETING (–) [5]. Prerequisite, Economics 31-32 or equivalent, Economics 124, and Commerce 61 or 161.
Five hours a week, spring quarter. Messrs. Taylor, Brown.

165. RETAIL DISTRIBUTION (–) [5]. Prerequisite, Economics 31-32 or equivalent, Economics 124.
Five hours a week, winter quarter. Messrs. Taylor, Brown.

171. ADVANCED ACCOUNTING (–) [5]. Prerequisite, Commerce 71-72.
Five hours a week, spring quarter. Mr. Peacock.

173. COST ACCOUNTING (–) [6]. Prerequisite, Commerce 71-72.
Five lecture and two laboratory hours a week, winter and spring quarters. Laboratory fee, $2.00. Mr. Peacock.

175. AUDITING (4) [6]. Prerequisite, Commerce 71-72.
Six lecture and four laboratory hours a week, November-December term; five lecture and two laboratory hours a week, winter quarter. Laboratory fee, $2.00. Mr. Peacock.

177. INCOME TAX PROCEDURE (4) [6]. Prerequisite, Commerce 71-72.
Six lecture and four laboratory hours a week, November-December term; five lecture and two laboratory hours a week, winter and spring quarters. Laboratory fee, $2.00. Mr. Sherrill.

179. GOVERNMENTAL ACCOUNTING (–) [5]. Prerequisite, Commerce 71-72.
Five hours a week, winter and spring quarters. Laboratory fee, $2.00. Mr. Sherrill.

191. CORPORATION FINANCE (4) [5]. Prerequisite, Economics 31-32, Commerce 51 and 71.
Eight hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Mr. Woosley.

195. INVESTMENTS (3) [5]. Prerequisite, Economics 31-32, Commerce 71-72, 191.
Six hours a week, September-October term; five hours a week, spring quarter. Mr. Woosley.

Courses for Graduates

301ab. SEMINAR IN COMMERCE (–) [with thesis 5].
Winter and spring quarters. Mr. Woosley (Chairman).

399. SEMINAR [3 each quarter].
Individual research in a special field under direction of a member of the department.

DEPARTMENT OF EDUCATION

Professors: *W. CARSON RYAN, E. W. KNIGHT, A. M. JORDAN, G. B. PHILLIPS, O. K. CORNWELL, †C. E. PRESTON, ROY W. MORRISON, †P. C. FARRAR, A. K. KING, HUGO GIDUZ, W. E. ROSENSTENGEL, J. M. GWYNN, H. F. MUNCH

Assistant Professor: W. D. PERRY

Visiting Lecturer: J. S. TIPPETT

Instructor: ‡T. R. FINK

Teaching Fellow: V. M. MULHOLLAND

Superintendent Chapel Hill Public Schools: CHARLES W. DAVIS

In Extension

Professor: W. J. MCKEE

Visiting Lecturer: FRANCES HORWICH

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Courses for Undergraduates

NOTE: For undergraduate courses in Physical Education see the Department of Physical Education.

41. INTRODUCTION TO THE STUDY OF EDUCATION I (3) [5]. Required of all prospective teachers, but open to others.
Six hours a week, September-October term; five hours a week, spring quarter. Mr. Phillips.

71. EDUCATIONAL PSYCHOLOGY (3) [5]. Required of all students with majors in the Division of Teacher Training.
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Mr. Jordan.

81. MATERIALS AND METHODS OF HIGH SCHOOL ENGLISH (3) [5].
Six hours a week, November-December term; five hours a week, winter and spring quarters.

82. DIRECTED TEACHING OF HIGH SCHOOL ENGLISH (3) [5].
Six hours a week, November-December term; five hours a week, winter and spring quarters. Laboratory fee, $10.00.

83. MATERIALS AND METHODS IN HIGH SCHOOL FRENCH (3) [5].
Six hours a week, November-December term; five hours a week, winter and spring quarters.

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* On leave of absence, fall and winter, 1945-46.
† Professor *emeritus*.
‡ Absent on leave in military service.

83b. MATERIALS AND METHODS IN HIGH SCHOOL SPANISH (3) [5].
Six hours a week, November-December term; five hours a week, winter and spring quarters.

84. DIRECTED TEACHING OF HIGH SCHOOL FRENCH OR SPANISH (3) [5].
Six hours a week, November-December term; five hours a week, winter quarter. Laboratory fee, $10.00.

85. MATERIALS AND METHODS IN THE SOCIAL STUDIES (3) [5].
Six hours a week, November-December term; five hours a week, winter quarter.

86. DIRECTED TEACHING OF THE SOCIAL STUDIES (3) [5].
Six hours a week, November-December term; five hours a week, winter and spring quarters. Laboratory fee, $10.00.

87. MATERIALS AND METHODS IN HIGH SCHOOL LATIN (–) [5].
Five hours a week, winter quarter.

88. DIRECTED TEACHING OF HIGH SCHOOL LATIN (–) [5].
Five hours a week, winter quarter. Laboratory fee, $10.00.

89. MATERIALS AND METHODS IN HIGH SCHOOL MATHEMATICS (3) [5].
Six hours a week, November-December term; five hours a week, winter and spring quarters.

90. DIRECTED TEACHING OF HIGH SCHOOL MATHEMATICS (3) [–].
Six hours a week, November-December term. Laboratory fee, $10.00. Mr. Munch.

91. MATERIALS AND METHODS IN HIGH SCHOOL SCIENCE (–) [5].
Five hours a week, winter quarter. Mr. Gwynn.

92. DIRECTED TEACHING OF HIGH SCHOOL SCIENCE (–) [5].
Five hours a week, winter and spring quarters. Laboratory fee, $10.00. Mr. Gwynn.

95. BOOK SELECTION FOR YOUNG PEOPLE (–) [5].
Five hours a week, winter quarter. Miss Meigs (of the School of Library Science).

96. SELECTION AND USE OF REFERENCE MATERIALS (–) [3].
Three hours a week, winter quarter. Mrs. Klontz (of the School of Library Science).

97. BOOK SELECTION FOR CHILDREN (–) [5].
Five hours a week, spring quarter. Miss Meigs.

99. PRINCIPLES AND METHODS OF SECONDARY EDUCATION (3) [5]. Required of all prospective high school teachers.
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters.

Courses for Graduates and Advanced Undergraduates

NOTE: Most of the graduate courses in Education are also available in one or both of the two terms of the Summer Session. See the catalogue of the Summer Session. Graduate courses toward a University degree in Education are also available at the Woman's College, Greensboro, and in summer session at the Appalachian State Teachers College, Boone, and Western Carolina State Teachers College, Cullowhee.

Attention is called to courses listed under psychology, sociology, physical education, dramatic art, and other departments as of particular importance in present-day preparation of teachers and educational administrators. For advanced courses in Physical Education see the Department of Physical Education.

101ab. EDUCATIONAL ADMINISTRATION (3) [5].
Six hours a week, November-December term; five hours a week, spring quarter. Messrs. Phillips, Rosenstengel.

102. ELEMENTARY SCHOOL ORGANIZATION AND ADMINISTRATION (1½) [3].
Three hours a week, November-December term; three hours a week, spring quarter. Messrs. Morrison, Tippett.

104. TECHNIQUES IN EDUCATIONAL LEADERSHIP (–) [3].
Three hours a week, winter quarter. Mr. Phillips.

105. GUIDANCE IN THE SCHOOL (3) [5].
Six hours a week, September-October term; five hours a week, winter quarter. Mr. Morrison.

109. BUSINESS MANAGEMENT AND SCHOOL FINANCE (1½) [3]. Prerequisite, Education 101 or its equivalent.
Three hours a week, November-December term; three hours a week, spring quarter. Messrs. Phillips, Rosenstengel.

110ab. PHILOSOPHY OF MODERN EDUCATION (–) [5].
Five hours a week, spring quarter. Mr. Ryan.

120. PRINCIPLES OF PHYSICAL EDUCATION (2) [3].
Four hours a week, November-December term; three hours a week, spring quarter. Messrs. Cornwell, Shepard.

121ab. ADMINISTRATION OF PHYSICAL EDUCATION (–) [5].
Five hours a week, spring quarter. Messrs. Shepard, Jamerson.

142. HISTORICAL FOUNDATIONS OF MODERN EDUCATION (–) [5].
Five hours a week, spring quarter. Mr. Knight.

143. SOCIAL AND EDUCATIONAL HISTORY OF THE UNITED STATES (History 170) (3) [5].
Six hours a week, November-December term; five hours a week, winter quarter. Mr. Knight.

160ab. CURRICULUM CONSTRUCTION (3) [2½].
Open to seniors and graduate students with 25 quarter hours of credit in Education. *Six hours a week, November-December term;* 160a only: *three hours a week, spring quarter.*

172. THE PROBLEMS OF MALADJUSTMENT AMONG CHILDREN (–) [3].
Three hours a week, winter quarter. Messrs. Jordan, Perry.

174ab. USE AND INTERPRETATION OF EDUCATIONAL TESTS AND MEASUREMENTS (3) [5].
Six hours a week, November-December term; five hours a week, spring quarter. Mr. Jordan.

175. EXTRACURRICULAR ACTIVITIES (Sociology 175) (–) [5].
Five hours a week, winter quarter. Mr. Meyer (of the Department of Sociology.)

176ab. MENTAL HYGIENE IN TEACHING (–) [3]. Prerequisite, introductory courses in Psychology and Education.
Three hours a week, winter quarter. Messrs. Ryan, Jordan.

197. SOCIAL POLICY AND EDUCATION (3) [–].
Six hours a week, September-October term. Mr. King.

Courses for Graduates

201. PROCEDURES IN EDUCATIONAL RESEARCH (1½) [3].
Three hours a week, November-December term; three hours a week, spring quarter. Messrs. King, McKee.

206. MANAGEMENT OF SCHOOL PLANT AND EQUIPMENT (–) [5]. Prerequisite, Education 101 or its equivalent.
Five hours a week, winter quarter. Mr. Rosenstengel.

224. (See under Physical Education.)

225. (See under Physical Education.)

296ab. ORGANIZATION AND ADMINISTRATION OF SECONDARY SCHOOLS (–) [5].
Five hours a week, spring quarter. Messrs. Gwynn, Plemmons, Rosenstengel.

298a. SUPERVISION OF INSTRUCTION (–) [2½].
Three hours a week, winter quarter. Messrs. Rosenstengel, Gwynn, Morrison.

303. PROBLEMS IN EDUCATIONAL ADMINISTRATION (–) [3]. Prerequisite, Education 101 or its equivalent and one other course in educational administration.
Three hours a week, winter quarter. Messrs. Rosenstengel, Phillips.

341. FOUNDATIONS OF MODERN EDUCATION (–) [3].
Three hours a week, winter quarter. Mr. Knight.

350. PROBLEMS IN ELEMENTARY EDUCATION (1½) [–].
Three hours a week, September-October term. Mr. Morrison.

375. THESIS COURSE (3) [5].
Any term or quarter. Members of the Graduate Faculty.

*DEPARTMENT OF ENGLISH

Professors: G. R. COFFMAN, J. M. BOOKER, G. C. TAYLOR, G. L. PAINE, A. P. HUDSON, A. C. HOWELL, DOUGALD MACMILLAN, C. P. RUSSELL, E. E. ERICSON, R. P. BOND, RAYMOND ADAMS, W. A. OLSEN, HARDIN CRAIG, H. K. RUSSELL, SAMUEL SELDEN

Associate Professors: R. B. SHARPE (Secretary), †R. P. MCCLAMROCH, WILLIAM WELLS, J. O. BAILEY, E. H. HARTSELL

Assistant Professors: G. F. HORNER, ‡EARL WYNN, DOUGLAS HUME, L. A. COTTEN

Instructors: R. M. LUMIANSKY, J. L. CURTIS, A. H. BUFORD, J. B. REESE, S. H. BLAKELY, J. L. WILSON, R. M. CHEEK, FRANCES PEDIGO, MRS. MARY H. LIMOUZE, MARGARET STERLING, W. S. DOWDEN, W. J. CHANDLER, ARCHIBALD HENDERSON, JR., H. M. HENDERSON, R. S. KINSMAN, R. G. WALSER, WILLIAM BRACY, N. T. JOOST, J. W. WEBB, W. M. MEANS, J. E. POINDEXTER, R. H. GAUGH, E. H. GOOLD, H. G. LEE

Teaching Fellows: R. E. HOLLINGER, J. G. RICE, J. E. FARRIOR

Assistants: MRS. CAROL CARLISLE, RUTH MILLER, STELLA POLLITZ

Research Associate: MARY CLAIRE RANDOLPH

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Courses for Undergraduates

NOTE: *English E1-2 and 1-2 and English E3-4 and 3-4 (or English 11-12 with grade of C or better) are prerequisite to all advanced courses in the department. Juniors will not be admitted to courses for advanced undergraduates except by special permission.*

E1b. FRESHMAN ENGLISH FOR NAVY V-12 STUDENTS (1½) [–].
Three hours a week, September-October term. Mr. Farrior.

1-2. FRESHMAN ENGLISH (6) [10]. Required of all freshmen except those eligible for English 11-12. *Six hours a week through two short terms, or five through two quarters.* Messrs. Hudson (Chairman), Bailey, Hartsell, Wells, Cotten, Lumiansky, Curtis, Aden, Buford, Reese, Blakely, Wilson, Cheek, Dowden, Chandler, A. Henderson, H. Henderson, Kinsman, Walser, Bracy, Joost, Webb, Means, Poin-

* A student choosing English as his major field should take (a) Eng. 50; (b) one of the following: Eng. 91, 93, 94, 95, 99, 163; (c) one of the following: Eng. 70, 112, 125; (d) one of the following: Eng. 79, 81, 82, 83 or 131, 84 or 141, 88, 89, 111, 121, 151; (e) four courses chosen as free electives from the advanced courses offered by the department (courses numbered from 41 to 199, with the exception of 51 and 59). Students who so desire may utilize all or some of these free electives to make up, in consultation with their adviser, a related group of courses representing some individual interest such as writing, American literature, or a particular field of English literature. In accordance with University regulations a student must have a grade of C or better in at least 18 semester or 30 quarter hours in the major.

Students interested in reading for honors in English should consult the statement on page 76.

† Absent on leave.

‡ Absent on leave in military service.

dexter, Gaugh, Goold, Lee; Misses Magginis, Pedigo, Sterling, Mrs. Limouze.

11-12. FRESHMAN ENGLISH, ADVANCED (6) [10].
A course for exceptionally well-prepared freshmen with a program of study combining the essential features of English 1-2 and English 3-4. *Six hours a week, through two short terms, or five through two quarters.* Messrs. H. K. Russell, Wells, Hartsell, Cotten.

E3-4. ENGLISH LITERATURE FOR NAVY V-12 STUDENTS (1½) [–].
Three hours a week, September-October term. Messrs. Paine, Ericson, Sharpe, Bailey.

3-4. ENGLISH LITERATURE (6) [10]. Prerequisite, English E1-2 or 1-2. Sophomore requirement.
Six hours a week through two short terms, or five through two quarters. Messrs. Adams (Chairman), Coffman, Booker, Taylor, Paine, Hudson, Howell, MacMillan, Ericson, Bond, Craig, H. K. Russell, Sharpe, Wells, Bailey, Hartsell, Horner, Cotten, Cheek, Chandler, Webb.

40. VOICE TRAINING (3) [5].
Six hours a week, November-December term; five hours a week, winter and spring quarters. Fee for materials, $2.00. Mr. Hume.

44. PUBLIC SPEAKING: INTRODUCTORY COURSE (3) [5].
Six hours a week, November-December term; five hours a week, winter and spring quarters. Fee for materials, $1.00. Mr. Olsen.

50. SHAKESPEARE (3) [5].
Six hours a week, September-October term (Mr. Sharpe), *November-December term; five hours a week, spring quarter.* Mr. Taylor.

52. ADVANCED COMPOSITION: THE TECHNIQUE OF EXPOSITION (–) [5].
Permission of the instructor is required for registration. Five hours a week, winter and spring quarters. Mr. Bailey.

53. CREATIVE WRITING I (1½) [5]. (Same as Journalism 65.)
Permission of the instructor is required for registration. Three hours a week, September-October term; five hours a week, spring quarter. Mr. C. P. Russell.

55. ADVANCED VOICE TRAINING (–) [5]. Prerequisite, English 40.
Five hours a week, spring quarter. Fee for materials, $2.00. Mr. Hume.

56. ADVANCED PUBLIC SPEAKING (–) [5]. Prerequisite, English 44, or the consent of the instructor.
Five hours a week, spring quarter. Fee for materials, $1.50. Mr. Olsen.

59. SCIENTIFIC WRITING (–) [5].
Permission of the instructor is required for registration. Five hours a week, winter quarter. Mr. Howell.

70. CHAUCER (–) [5].
Five hours a week, spring quarter. Mr. Coffman.

72-73. COURSES FOR HONORS (6) [10].
See the program for Honors Work in the Division of the Humanities, p. 76.

79. ENGLISH LITERATURE, 1890-1920. (–) [5].
Five hours a week, spring quarter. Mr. Booker.

81. AMERICAN LITERATURE I (3) [5].
Six hours a week, November-December term; five hours a week, spring quarter. Mr. Adams.

82. AMERICAN LITERATURE II (–) [5].
Five hours a week, winter quarter. Mr. Adams.

83. PROSE AND POETRY OF THE CLASSICAL PERIOD (–) [5].
(1945-1946 and alternate years.) *Five hours a week, spring quarter.* Mr. Bond.

87. LITERARY ASPECTS OF THE BIBLE (3) [–]. See Biblical History and Literature 87.
Six hours a week, November-December term. Mr. Howell.

88. VICTORIAN LITERATURE I, 1832-1860 (3) [–].
Six hours a week, November-December term. Mr. Booker.

89. VICTORIAN LITERATURE II, 1860-1890 (3) [–].
Six hours a week, September-October term. Mr. Bailey.

91. THE ENGLISH NOVEL (–) [5].
Five hours a week, winter and spring quarters. Mr. MacMillan, Mr. H. K. Russell.

93. ENGLISH DRAMA (3) [–].
(1945-1946 and alternate years.) *Six hours a week, November-December term.* Mr. Wells.

95. THE ENGLISH LANGUAGE (3) [5].
Six hours a week, September-October term; five hours a week, spring quarter. Mr. Ericson.

97. CONTEMPORARY LITERATURE (3) [5].
Six hours a week, November-December term; five hours a week, winter quarter. Mr. H. K. Russell, Mr. Bailey.

98. CONTEMPORARY POETRY (–) [5].
Five hours a week, winter quarter. Mr. Cotten.

99. HISTORY OF ENGLISH LITERATURE (–) [5].
Five hours a week, winter quarter. Mr. Sharpe.

100. DIRECTED READINGS (3) [5].
Open to advanced students, by special arrangement. (See Mr. H. K. Russell for permission.)

NOTE: Courses in Directed Teaching of High School English and in Materials and Methods of Teaching High School English will be found under the Department of Education.

Courses for Graduates and Advanced Undergraduates

Except by special permission juniors will not be admitted to these courses.

101. OLD ENGLISH GRAMMAR AND READINGS (3) [–].
Six hours a week, November-December term. Mr. Ericson.

105. MEDIEVAL ROMANCE IN ENGLISH (–) [5].
Five hours a week, spring quarter. Mr. Craig.

111. ENGLISH LITERATURE OF THE RENAISSANCE (3) [–].
Six hours a week, November-December term. Mr. Craig.

112. SPENSER (–) [5].
Five hours a week, spring quarter. Mr. Wells.

113. ENGLISH DRAMA TO 1600 (1½) [5].
Three hours a week, September-October term; five hours a week, winter quarter. Mr. Sharpe, Mr. Craig.

114. ENGLISH DRAMA, 1600-1642 (–) [5].
Five hours a week, spring quarter. Mr. Sharpe.

121. ENGLISH LITERATURE, 1616-1700 (–) [5].
(1944-1945 and alternate years.) *Five hours a week, winter quarter.* Mr. Howell.

125. MILTON (3) [–].
Six hours a week, November-December term. Mr. Taylor.

131. ENGLISH LITERATURE, 1700-1780 (3) [–].
Six hours a week, November-December term. Mr. MacMillan.

133. RESTORATION AND EIGHTEENTH-CENTURY DRAMA (–) [5].
Five hours a week, spring quarter. Mr. MacMillan.

141. ENGLISH LITERATURE, 1780-1830 (–) [5].
Five hours a week, winter quarter. Mr. Hudson.

149. AMERICAN DRAMA (3) [–].
(1945-1946 and alternate years.) *Six hours a week, November-December term.* Mr. Hume.

151. EARLY AMERICAN LITERATURE (3) [–].
Six hours a week, November-December term. Mr. Paine.

153. SOUTHERN AMERICAN LITERATURE (3) [–].
Six hours a week, September-October term. Mr. Paine.

163. LITERARY CRITICISM (3) [–].
(1946-1947 and alternate years.) *Six hours a week, November-December term.* Mr. Bond.

167. THE ENGLISH BALLAD AND AMERICAN FOLKSONG (3) [–].
(1945-1946 and alternate years.) *Six hours a week, November-December term.* Mr. Hudson.

Courses for Graduates

201. STUDIES IN OLD ENGLISH LITERATURE: BEOWULF (–) [5]. Prerequisite, English 101.
Five hours a week, winter quarter. Mr. Ericson.

202. MIDDLE ENGLISH (1½) [–].
Three hours a week, September-October term. Mr. Ericson.

204. HISTORY OF THE ENGLISH LANGUAGE (–) [5]. Prerequisite, English 101, 202.
Five hours a week, spring quarter. Mr. Ericson.

208. CHAUCER (–) [5].
Five hours a week, spring quarter. Mr. Coffman.

231-232. SHAKESPEARE (–) [10].
Five hours a week, winter and spring quarters. Mr. Taylor.

243. VICTORIAN LITERATURE I, 1832-1890 (3) [–].
Six hours a week, November-December term. Mr. Booker.

244. VICTORIAN LITERATURE II, 1832-1890 (–) [5].
Five hours a week, winter quarter. Mr. Booker.

283. AMERICAN LITERATURE I, 1830-1855 (–) [5].
(1944-1945 and alternate years.) *Five hours a week, spring quarter.* Mr. Paine.

310. SEMINAR: STUDIES IN ELIZABETHAN LITERATURE (–) [5].
Five hours a week, winter and spring quarters. Mr. Taylor, Mr. Craig.

312. SEMINAR: STUDIES IN SEVENTEENTH-CENTURY LITERATURE (–) [5].
(1945-1946 and alternate years.) *Five hours a week, spring quarter.* Mr. Howell.

313. SEMINAR: STUDIES IN EIGHTEENTH-CENTURY LITERATURE (–) [5].
Five hours a week, winter quarter. Mr. Bond.

317. SEMINAR: STUDIES IN NINETEENTH-CENTURY ROMANTICISM IN ENGLAND (–) [5].
Five hours a week, spring quarter. Mr. Hudson.

318. SEMINAR: STUDIES IN AMERICAN LITERATURE (–) [5].
Five hours a week, winter quarter. Mr. Paine.

325. SEMINAR: MODERN DRAMA (4) [–]. See Dramatic Art 325.
Four hours a week, November-December term. Messrs. Sharpe, Selden.

331. BIBLIOGRAPHY AND METHODOLOGY (–) [5].
Required of all candidates for the A.M. and Ph.D. degrees. *Five hours a week, winter quarter.* Mr. Paine.

340. SPECIAL READINGS (3) [5].
Offered in 1945-1946 by all members of the graduate staff.

341. SPECIAL RESEARCH (3) [5].
Offered in 1945-1946 by all members of the graduate staff.
Attention is called to the courses in philology and advanced literary study offered in the Departments of Classics (Latin Epigraphy, Latin Paleography), Comparative Literature, Germanic Languages (Gothic, Old and Middle High German, Old Saxon, Old Norse, etc.), and Romance languages (Old French, Provençal, Old Irish, Old Spanish, Dante, etc.).
See also the Department of Comparative Linguistics.

DEPARTMENT OF GEOLOGY AND GEOGRAPHY

Professors: W. F. PROUTY, G. R. MACCARTHY, J. W. HUDDLE, S. T. EMORY, F. C. ERICKSON
Associate Professor: W. A. WHITE
Instructors: C. S. MAURICE, J. W. HARRINGTON
Assistants: J. C. YODER, T. P. FIELD, W. G. STEEL, BETTE J. MOLSDALE, LOUISE R. RUSSELL, J. R. LEGRAND, J. E. JOHNSTON

GEOLOGY

Courses for Undergraduates

41. INTRODUCTION TO PHYSICAL GEOLOGY (4) [6].
Six lecture and four laboratory hours a week, September-October term. Mr. Prouty. *Six lecture and four laboratory hours a week, November-December term.* Messrs. Prouty, White (Sections I and II). *Four lecture and four laboratory hours a week, winter quarter.* Mr. MacCarthy. *Four lecture and four laboratory hours a week, spring quarter.* Messrs. White, MacCarthy (Sections I and II). *Laboratory fee, $3.00.*

42. INTRODUCTION TO HISTORICAL GEOLOGY (4) [6].
Six lecture and four laboratory hours a week, November-December term; four lecture and four laboratory hours a week, winter and spring quarters. Laboratory fee, $3.00. Mr. Huddle.

64. INTRODUCTION TO METEOROLOGY (–) [5].
Four lecture and two laboratory hours a week, winter quarter. Laboratory fee, $2.50. Mr. MacCarthy.

Courses for Graduates and Advanced Undergraduates

101. MINERALOGY (–) [6].
Three lecture and six laboratory hours a week, winter quarter. Laboratory fee, $7.00. Mr. White.

103. FIELD GEOLOGY (–) [5].
Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $3.50. Mr. Prouty.

104. ADVANCED GENERAL GEOLOGY (4) [5].
Six lecture and four laboratory hours a week, November-December term; three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $3.50. Mr. White.

105. ADVANCED GENERAL GEOLOGY (4) [–].
Six lecture and four laboratory hours a week, November-December term. Laboratory fee, $3.50. Mr. Huddle.

106. ADVANCED GENERAL GEOLOGY (–) [5].
Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $3.50. Mr. Huddle.

107. STRUCTURAL GEOLOGY (4) [5].
Six lecture and four laboratory hours a week, September-October term; three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $3.50. Mr. Prouty.

108. ECONOMIC GEOLOGY (–) [5].
Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $3.50. Mr. Prouty.

109. ELEMENTS OF GEOPHYSICS (–) [5].
Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $5.00. Mr. MacCarthy.

117. SOILS (–) [5].
Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $2.50. Mr. White.

121. GEOMORPHOLOGY (4) [–].
Six lecture and four laboratory hours a week, November-December term. Laboratory fee, $2.00. Mr. White.

127. OIL GEOLOGY (–) [5].
Four lecture and two laboratory hours a week, spring quarter. Laboratory fee, $4.00. Mr. Prouty.

145. PETROGRAPHY (–) [5].
Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $3.50. Mr. White.

147. DETERMINATIVE MINERALOGY (–) [6].
Two lecture and eight laboratory hours a week, spring quarter. Laboratory fee, $7.00. Mr. White.

Courses for Graduates

221. ADVANCED STRUCTURAL GEOLOGY (–) [5].
Four lecture and two laboratory hours a week, winter quarter. Laboratory fee, $4.00. Mr. Prouty.

224. ADVANCED ECONOMIC GEOLOGY (–) [5].
Two lecture and six laboratory hours a week, winter quarter. Laboratory fee, $4.00. Mr. Prouty.

244. ADVANCED PETROLOGY (4) [–].
Six lecture and four laboratory hours a week, November-December term. Laboratory fee, $5.00. Mr. White.

329. RESEARCH IN ECONOMIC GEOLOGY (–) [with thesis, 5 or more].
Winter and spring quarters. Mr. Prouty.

GEOGRAPHY

Courses for Undergraduates

38. INTRODUCTION TO GEOGRAPHY (4) [6].
Six lecture and four laboratory hours a week, November-December term; five lecture and two laboratory hours a week, winter and spring quarters. Laboratory fee, $2.00. Messrs. Emory, Erickson.

75. GEOGRAPHY OF THE WAR ZONES (3) [5].
Six lectures a week, September-October term; five lectures a week, winter quarter. Materials fee, $2.00. Mr. Emory.

Courses for Graduates and Advanced Undergraduates

153. POLITICAL GEOGRAPHY (3) [5].
Six lectures a week, September-October term; five lectures a week, spring quarter. Materials fee, $2.00. Mr. Emory.

FOUNDATIONS OF NATIONAL POWER (3) [–]. (This course was continued from the summer term.)
Three lectures a week, September-October term. Messrs. Emory and Godfrey.

155. CLIMATOLOGY (3) [–].
Six lectures a week, November-December term. Laboratory fee, $2.00. Mr. Erickson.

157. GEOGRAPHY OF NORTH AMERICA (3) [–].
Six lectures a week, November-December term. Laboratory fee, $2.00. Mr. Emory.

158. GEOGRAPHY OF EUROPE (–) [5].
Five lectures a week, winter quarter. Materials fee, $2.00. Mr. Erickson.

159. GEOGRAPHY OF SOUTH AMERICA (–) [5].
Five lectures a week, spring quarter. Materials fee, $1.00. Mr. Erickson.

Course for Graduates

211. SPECIAL WORK IN GEOGRAPHY (–) [5]. (World Geography) (Cartography).
Five lectures a week, spring quarter. Materials fee, $1.00. Messrs. Emory and Erickson.

*DEPARTMENT OF GERMANIC LANGUAGES

Professors: RICHARD JENTE, G. S. LANE
Associate Professors: W. P. FRIEDERICH, F. E. COENEN
Instructor: SAM M. SHIVER

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Courses for Undergraduates

1-2. ELEMENTARY GERMAN (3 each) [5 each].
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Messrs. Jente, Lane.

3-4. INTERMEDIATE GERMAN (3 each) [5 each].
Six hours a week, November-December term; five hours a week, winter and spring quarters. Messrs. Friederich, Lane.

4. INTERMEDIATE GERMAN (3) [–].
Six hours a week, September-October term. Messrs. Jente, Shiver.

6-7 (21-22). INTRODUCTION TO GERMAN LITERATURE (3 each) [5 each]. Prerequisite, German 3-4, or the equivalent.
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Messrs. Jente, Friederich.

RUSSIAN 76, 77. BEGINNING RUSSIAN (–) [5 each].
Five hours a week, winter and spring quarters. Mr. Lane.

Courses for Graduates and Advanced Undergraduates

121. GOETHE (3) [–]. Prerequisite, German 22, or the equivalent.
Six hours a week, November-December term. Mr. Jente.

131. LESSING AND HIS TIME (–) [5]. Prerequisite, German 22, or the equivalent.
Five hours a week, winter quarter. Mr. Friederich.

141. SCHILLER (–) [5]. Prerequisite, German 22, or the equivalent.
Five hours a week, spring quarter. Mr. Jente.

Courses for Graduates

223. COMPARATIVE GERMANIC GRAMMAR (–) [5].
Five hours a week, spring quarter. Mr. Lane.

233-234. OLD NORSE (3) [5].
Six hours a week, November-December term; five hours a week, winter quarter. Mr. Lane.

240. READING COURSE (–) [5].
Five hours a week, winter quarter. Mr. Friederich.

241. THE ROMANTIC SCHOOL IN GERMANY (–) [5].
Five hours a week, spring quarter. Mr. Coenen.

* Students are requested to consult with the department adviser in regard to the requirements for a major in German.

*DEPARTMENT OF HISTORY

Professors: A. R. NEWSOME, J. G. DER. HAMILTON, W. W. PIERSON, M. B. GARRETT, W. E. CALDWELL, L. C. MACKINNEY, †H. T. LEFLER, F. M. GREEN, ‡H. K. BEALE, R. D. W. CONNOR

Associate Professors: J. C. RUSSELL, C. H. PEGG, CECIL JOHNSON, ‡J. C. SITTERSON, J. L. GODFREY

Instructors: G. A. BEEBE, HILDA JANE ZIMMERMAN, M. C. MACMILLAN, J. B. MACLEOD, C. O. CATHEY, W. M. DARDEN, H. W. RAPER, J. E. DOVELL, R. W. WILLIAMS

Teaching Fellows: ELLEN FAIRBANKS DIGGS, MARGARET KINSMAN, W. D. MILLER

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Courses for Undergraduates

1X-2X. SOCIAL SCIENCE (6) [10]. Freshman requirement. Prerequisite to all other courses in history. Fee for materials $1.00 each quarter.

Six hours a week through September-October and November-December terms; five hours a week through winter and spring quarters. Messrs. Russell, Johnson, Pegg, Godfrey, MacKinney, Beebe, MacMillan, MacLeod, Cathey, Darden, Raper, Dovell, Williams, Miss Zimmerman.

21-22. AMERICAN HISTORY: GENERAL COURSE (–) [10]. Sophomore elective.

Five hours a week through winter and spring quarters. Mr. Green.

41-42. ANCIENT AND MEDIEVAL HISTORY: GENERAL COURSE (–) [10]. Sophomore elective, open to juniors and seniors.

Five hours a week, winter and spring quarters. Messrs. Caldwell, MacKinney.

44-45. ENGLISH HISTORY: GENERAL COURSE (3) [5]. Sophomore elective, open to juniors and seniors.

During the war emergency, History 45 may be taken as an independent elective. *Six hours a week in November-December term and five hours a week in winter quarter.* Mr. Russell.

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* A student choosing History as his department of major interest must elect either American history or European history as his field of specialization and complete a minimum of six approved courses of advanced level. The requirement for the major in American history shall be eight approved courses of advanced level if the student has not completed History 21-22 or History 71-72 with a minimal grade of C; and for a major in European History a like number (eight) if the student has not completed History 41-42, History 44-45, or History 48, 49, with a minimal grade of C. The student must take at least four of his six or five of his eight courses from his field of specialization; he may elect the remaining courses of his major from the other field. All history courses numbered above 50, except History 71-72, may be credited toward the major.

Students wishing to read for Honors in History should consult the regulations governing the honors program of the Divisions of Humanities and Social Sciences on pages 76-77 and also confer with the head of the department.

† Absent on leave, spring quarter.

‡ Absent on leave.

48. MODERN EUROPEAN HISTORY, 1500-1815 (3) [–]. Sophomore elective, open to juniors and seniors.
Six hours a week, November-December term. Mr. Garrett.

49. MODERN EUROPEAN HISTORY SINCE 1815 (–) [5]. Sophomore elective, open to juniors and seniors.
Five hours a week, spring quarter. Mr. Garrett.

51. THE ORIENT AND EARLY GREECE (3) [–].
(1945-1946 and alternate years.) *Six hours a week, November-December term.* Mr. Caldwell.

52. GREECE: THE CLASSICAL PERIOD (–) [5].
(1945-1946 and alternate years.) *Five hours a week, spring quarter.* Mr. Caldwell.

65. EUROPE IN THE CRUSADING AGE, 1000-1300 (3) [–].
Six hours a week, November-December term. Mr. MacKinney.

71, 72. AMERICAN HISTORY: GENERAL COURSE (3 each) [5 each]. Not credited towards a major.
Both 21-22 and 71, 72 may not be taken for credit by a student. *Six hours a week, September-October and November-December terms; five hours a week winter and spring quarters.* Mr. Lefler and Mr. Cathey.

97. HONORS COURSE (3) [5].
Required of all students reading for honors in history.

98. HONORS COURSE (3) [5].
Required of all students reading for honors in European history.

99. HONORS COURSE (3) [5].
Required of all students reading for honors in United States history.

NOTE: Courses in Directed Teaching of the Social Sciences and in Materials and Methods of Teaching the Social Sciences will be found under the Department of Education.

The Following Course Was for Navy V-12 Students

HISTORY 1-2. HISTORICAL BACKGROUND OF WORLD WAR II.
The purposes of this course are to provide an understanding of the complexity of present-day civilization and of the interrelationships of various aspects of society, such as agriculture, industry, and politics; of the way in which the United States developed and the factors that contributed to its development; of the extent to which the United States has its roots in foreign soil; and of the more immediate European and American backgrounds of the present war.
Four hours a week, September-October term. Messrs. Newsome and Beebe.

Courses for Graduates and Advanced Undergraduates

121. MEDIEVAL CULTURAL LIFE (3) [–].
(1945-1946 and alternate years.) *Six hours a week, September-October term.* Mr. MacKinney.

123. SPANISH CIVILIZATION (–) [5].
Five hours a week, spring quarter. Mr. MacKinney.

124. THE AGE OF THE RENAISSANCE, 1250-1550 (–) [5].
Five hours a week, winter quarter. Mr. MacKinney.

131. THE PROTESTANT REVOLT (3) [–].
(1945-1946 and alternate years.) *Six hours a week, November-December term.* Mr. Garrett.

132. THE RISE OF ABSOLUTISM IN EUROPE (–) [5].
Five hours a week, winter quarter. Mr. Garrett.

133. THE FRENCH REVOLUTION AND THE NAPOLEONIC PERIOD (–) [5].
Five hours a week, spring quarter. Mr. Garrett.

135. THE FIRST WORLD WAR (–) [5].
Five hours a week, winter quarter. Mr. Garrett.

136. RECENT AND CONTEMPORARY EUROPEAN HISTORY (3) [5].
Six hours a week, September-October term; five hours a week, spring quarter. Mr. Pegg.

137. ENGLAND TO 1603 (–) [5].
Five hours a week, spring quarter. Mr. Russell.

138. ENGLAND FROM 1603 TO 1760 (–) [5].
Five hours a week, winter quarter. Mr. Russell.

139. GREAT BRITAIN FROM 1760 TO THE WORLD WAR (–) [5].
Five hours a week, spring quarter. Mr. Godfrey.

143. THE DIPLOMATIC HISTORY OF THE UNITED STATES (3) [5].
Six hours a week, fall term; five hours a week, spring quarter. Mr. Johnson.

149. THE AMERICAN COLONIES I, 1606-1689 (3) [–].
Six hours a week, November-December term. Mr. Lefler.

150. THE AMERICAN COLONIES II, 1689-1775 (–) [5].
Five hours a week, winter quarter. Mr. Lefler.

151. THE FEDERAL PERIOD, 1783-1815 (3) [5].
Six hours a week, fall term; five hours a week, spring quarter. Mr. Newsome.

152. THE ANTE-BELLUM PERIOD, 1815-1860 (–) [5].
Five hours a week, winter quarter. Mr. Newsome.

153. THE AMERICAN REVOLUTION (–) [5].
Five hours a week, spring quarter. Mr. Connor.

156. RECENT AMERICAN HISTORY, 1901-1945 (3) [–].
Six hours a week, November-December term. Mr. Newsome.

161. NORTH CAROLINA I, 1584-1815 (3) [–].
Six hours a week, September-October term. Mr. Connor.

162. NORTH CAROLINA II, 1815-1940 (–) [5].
Five hours a week, winter quarter. Mr. Connor.

163. THE OLD SOUTH (3) [–].
Six hours a week, November-December term. Mr. Green.

164. THE SOUTH SINCE THE CIVIL WAR (–) [5].
Five hours a week, winter quarter. Mr. Green.

170. SOCIAL AND EDUCATIONAL HISTORY OF THE UNITED STATES (Education 143) (3) [5].
Six hours a week, November-December term; five hours a week, winter quarter. Mr. Knight (of the Department of Education).

Courses for Graduates

201ab. HISTORIOGRAPHY (–) [6].
Required of all graduate students in history. *Three hours a week through winter and spring quarters.* Messrs. Caldwell, Newsome.

206. GREEK HISTORY, 500-146 B.C. (3) [–].
Six hours a week, November-December term. Mr. Caldwell.

207. ROMAN HISTORY, 133-31 B.C. (–) [5].
Five hours a week, winter quarter. Mr. Caldwell.

208. ROMAN HISTORY, 31 B.C.-180 A.D. (–) [5].
Five hours a week, spring quarter. Mr. Caldwell.

261. STUDIES IN THE SOUTH, 1820-1865 (–) [5].
Five hours a week, spring quarter. Mr. Green.

271. HISPANIC-AMERICAN HISTORY: The Colonial Period and the Wars of Independence (–) [5].
Five hours a week, spring quarter. Mr. Pierson.

321ab. MODERN EUROPEAN HISTORY (–) [6].
Three hours a week through winter and spring quarters. Mr. Garrett.

333ab. HISTORY OF THE UNITED STATES, 1783-1860 (1½) [3].
Three hours a week, September-October term; winter and spring quarters. Mr. Newsome.

335a. HISTORY OF THE SOUTH (1½) [3].
Three hours a week, November-December term; winter and spring quarters. Mr. Green.

341. SEMINAR COURSE (–) [2½ or 5].

DEPARTMENT OF JOURNALISM

Professors: OSCAR J. COFFIN, C. PHILLIPS RUSSELL, J. ROY PARKER

Associate Professor: *WALTER SPEARMAN

Assistant Professors: LOUIS H. EDMONDSON, †JOSEPH L. MORRISON

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Courses for Undergraduates

30. COLLEGE REPORTING.
A course with a maximum credit of five quarter hours for reporting done on the student newspaper under the supervision of the Department of Journalism. Registration with department is required.

31. COLLEGE EDITING.
A course with a maximum credit of five quarter hours for editorial work done on the student newspaper under the supervision of the Department of Journalism. Registration with department is required.

53. NEWS WRITING I (–) [5].
Five hours a week, winter quarter. Laboratory fee, $2.00. Mr. Spearman.

54. NEWS WRITING II (3) [5].
Six hours a week, September-October and November-December terms; five hours a week, spring quarter. Laboratory fee, $2.00. Messrs. Coffin, Russell, Spearman.

55. NEWS WRITING III (3) [5].
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Laboratory fee, $2.00. Messrs. Coffin, Spearman.

56. FEATURE WRITING (3) [3].
Six hours a week, September-October and November-December terms; three hours a week, winter quarter. Permission of the instructor is required for registration. Messrs. Coffin, Russell, Spearman.

57. NEWS METHODS (3) [5].
Six hours a week, November-December term; five hours a week winter and spring quarters. Laboratory fee, $2.00. Messrs. Coffin, Edmondson, Spearman.

58. EDITORIAL WRITING (3) [3].
Six hours a week, September-October term; three hours a week, winter and spring quarters. Mr. Coffin.

59. COUNTRY NEWSPAPER PRODUCTION (3) [3].
Six hours a week, November-December term; three hours a week, winter and spring quarters. Laboratory fee, $2.00. Mr. Parker.

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* Returned from military service October, 1945.
† Returned from war leave June, 1946.

60. BOOK REVIEWING AND DRAMATIC CRITICISM (3) [3].
Six hours a week, November-December term; three hours a week, spring quarter. Messrs. Russell, Spearman.

61. HISTORY OF JOURNALISM (–) [3].
Three hours a week, winter quarter. Mr. Russell.

62. ADVERTISING I (3) [5].
Six hours a week, November-December term; five hours a week, winter and spring quarters. Laboratory fee, $2.00. Mr. Parker.

63. ADVERTISING II (–) [3].
Three hours a week, winter and spring quarters. Laboratory fee, $2.00. Mr. Parker.

64. CREATIVE WRITING (–) [5].
Five hours a week, spring quarter. Permission of the instructor is required for registration. Mr. Russell.

65. CREATIVE WRITING (3) [–].
Six hours a week, September-October term. Permission of the instructor is required for registration. Mr. Russell.

66. CREATIVE WRITING (3) [5].
Six hours a week, November-December term; five hours a week, winter quarter. Permission of the instructor is required for registration. Mr. Russell.

70. INTRODUCTION TO RADIO JOURNALISM (3) [5].
Six hours a week, September-October term; five hours a week, winter quarter. Mr. Edmondson.

72. CONTINUITY WRITING (3) [5].
Six hours a week, November-December term, five hours a week, winter quarter. Mr. Edmondson.

73. RADIO NEWS (3) [–].
Six hours a week, September-October and November-December terms. Mr. Edmondson.

77. PROGRAM PLANNING (–) [5].
Five hours a week, spring quarter. Mr. Edmondson.

DEPARTMENT OF LIBRARY SCIENCE

Professors: SUSAN G. AKERS, C. E. RUSH, L. R. WILSON
Associate Professor: LUCILE KELLING
Assistant Professor: EMILY B. MEIGS
Instructor: MARY P. KLONTZ

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Courses for Undergraduates

These courses may be taken by advanced undergraduates in the College of Arts and Sciences with the approval of the Dean of the School of Library Science.

122. BOOK SELECTION FOR YOUNG PEOPLE (–) [5].
Five hours a week, winter quarter. Miss Meigs.

123. BOOK SELECTION FOR CHILDREN (–) [5].
Five hours a week, spring quarter. Miss Meigs.

143. SCHOOL LIBRARY ORGANIZATION AND ADMINISTRATION (–) [5].
Five hours a week, spring quarter. Mrs. Klontz.

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*DEPARTMENT OF MATHEMATICS

Professors: ARCHIBALD HENDERSON, T. F. HICKERSON, J. W. LASLEY, JR., A. W. HOBBS, E. T. BROWNE, E. L. MACKIE, J. B. LINKER, M. A. HILL, A. S. WINSOR, R. M. TRIMBLE
Associate Professors: †V. A. HOYLE, E. A. CAMERON, †WITOLD HUREWICZ, L. L. GARNER, A. T. BRAUER
Lecturers: MAISIE J. PATTERSON, J. WOLFOWITZ, C. M. SMITH, Y. K. WONG, E. T. HODGES
Other Instructors: H. F. MUNCH (Department of Education)
Teaching Fellows and Part-Time Instructors: LILA P. WALKER, BETTY BOYD, W. E. STACY, GERTRUDE EHRLICH, B. M. DRUCKER, W. H. PEACOCK

Courses for Undergraduates

A. PLANE GEOMETRY (–) [No credit].
Five hours a week, winter and spring quarters. Messrs. Winsor, Munch.

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* For the degree of A.B. with major in Mathematics there are required:
I. From thirty (30) to forty-five (45) quarter hours—20 to 30 semester hours consisting of
(a) Fifteen (15) quarter hours, Mathematics 31-32-33, (or 21-22-23, 36).
(b) From fifteen (15) to thirty (30) quarter hours from Mathematics 41, 42, 51, 52, 103, 104, 105, 111, 121, 122, 123, **131, **141, **151, **152, **161, **171, at least five (5) quarter hours of which must be taken from the courses marked "**" above.
II. Thirty (30) to thirty-six (36) quarter hours from the department of Botany, Chemistry, Geology, Philosophy, Physics, Psychology, Zoology.
III. Thirty (30) quarter hours outside of the Division of the Natural Sciences.
Mathematics 7 and 8 or their equivalent, or a year's work in Greek or Latin must be taken by each candidate for A.B.
† Absent on leave in service.

1C-2C. INTRODUCTORY MATHEMATICS (–) [6]. Simplified course in algebra.

Mathematics 1C-2C and 9 (See Announcements for 1946-1947) satisfy the freshman mathematics requirements. *Five hours a week, winter and spring quarters.* Messrs. Hickerson, Browne, Linker, Trimble, Cameron, Garner, Brauer, Hodges, Wong, Smith, Drucker, Stacy, Munch, Miss Walker.

2. INTRODUCTORY MATHEMATICS (–) [3].

This course is part of the sequence Mathematics 1-2-3 described in the General Catalogue for March, 1945. *Three hours a week, winter quarter.* Mr. Lasley.

5. DIFFERENTIAL CALCULUS (–) [3]. Special course.

This course may be substituted for Mathematics 2. *Three hours a week, spring quarter.* Mr. Lasley.

6. MATHEMATICS OF FINANCE (–) [3].

This course may be substituted for Mathematics 2.
Three hours a week, spring quarter. Mr. Hill.

7. COLLEGE ALGEBRA (3) [5].

Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Messrs. Henderson, Lasley, Hobbs, Mackie, Linker, Hill, Winsor, Trimble, Cameron, Garner, Brauer, Hodges, Wong, Smith, Drucker, Munch, Misses Walker, Ehrlich, Boyd.

8. PLANE TRIGONOMETRY (3) [5].

Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Messrs. Henderson, Hickerson, Lasley, Brown, Mackie, Linker, Winsor, Trimble, Garner, Brauer, Hodges, Wong, Smith, Drucker, Munch, Misses Walker, Boyd.

* D1. ENGINEERING DRAWING (3) [–].

Six hours a week, September-October term. Mr. Trimble, Miss Patterson.

* D2. DESCRIPTIVE GEOMETRY (3) [–]. Prerequisite, Engineering Drawing.

Six hours a week, September-October term. Mr. Trimble.

*M0. REFRESHER COURSE IN ALGEBRA (No credit) [–].

Six hours a week, September-October term. Messrs. Hodges, Drucker.

* M1. MATHEMATICAL ANALYSIS I (5) [–]. Prerequisite, two or less units of high school mathematics.

Five hours a week, September-October term. Mr. Hodges.

* M2. MATHEMATICAL ANALYSIS II (5) [–]. Prerequisite, Mathematics M1.

Five hours a week, September-October term. Messrs. Lasley, Wong.

* M5. CALCULUS I (5) [–]. Prerequisite, Mathematics M1 and M2, or their equivalent.

Five hours a week, September-October term. Messrs. Lasley, Winsor.

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* This course started in July 1945 and continued through the fall term. The credit listed is for the entire trimester course.

* M6. A1. CALCULUS II AND MECHANICS (5) [–]. Prerequisite, Mathematics M5.
Five hours a week, September-October term. Mr. Smith.

†* M51n. SURVEYING AND TOPOGRAPHIC DRAWING (4) [–]. Prerequisite, Mathematics M1 or M3.
Three lecture and two field hours a week, September-October term. Fee, $4.00 per quarter. Mr. Trimble.

31-32-33. SECOND YEAR MATHEMATICS: INTENSIVE COURSE (9) [15]. Prerequisite, Mathematics 1-2-3, or equivalent.
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Messrs. Mackie, Linker, Hill, Winsor, Cameron, Garner, Wong.

41. MECHANICAL DRAWING (–) [3]. For freshmen and others.
Lectures and laboratory, six hours a week, winter quarter. Laboratory fee, $1.50. Mr. Trimble.

51. PLANE SURVEYING (2) [4]. Prerequisite, Mathematics 1, 2, 3 or equivalent.
Three lecture and two field hours a week, November-December term, winter and spring quarters. Fee, $4.00. Mr. Trimble.

NOTE: Courses in Directed Teaching of High School Mathematics and in Materials and Methods of Teaching High School Mathematics will be found under the Department of Education.

Courses for Graduates and Advanced Undergraduates

103. INTRODUCTION TO HIGHER GEOMETRY (–) [5]. Prerequisite, Mathematics 32.
Five hours a week, spring quarter. Mr. Winsor.

104. INTRODUCTION TO ADVANCED ALGEBRA (1½) [5]. Prerequisite, Mathematics 32.
Three hours a week, September-October term; five hours a week, winter quarter. Messrs. Winsor, Wong.

111. ELEMENTARY MATHEMATICAL STATISTICS (–) [5].
Five hours a week, spring quarter. Mr. Hill.

116. PROBABILITY (3) [3]. Prerequisite, Mathematics 171.
Six hours a week, November-December term; three hours a week, winter quarter. Messrs. Wong, Wolfowitz.

117. STATISTICAL INFERENCE (–) [3]. Prerequisite, Mathematics 116.
Three hours a week, spring quarter. Mr. Wolfowitz.

121. THEORETICAL AND APPLIED MECHANICS: STATICS (3) [5].
Six hours a week, November-December term; five hours a week, winter quarter. Mr. Hickerson.

122. THEORETICAL AND APPLIED MECHANICS: KINEMATICS AND KINETICS (–) [5].
Five hours a week, spring quarter. Mr. Hickerson.

* This course started in July 1945 and continued through the fall term. The credit listed is for the entire trimester course.
† In the V-12 program this course counts for 3 2/3 semester hours.

131. THEORY OF EQUATIONS (3) [5]. Prerequisite, Mathematics 33.
Six hours a week, November-December term; five hours a week, winter quarter. Mr. Henderson.

141. DIFFERENTIAL EQUATIONS (3) [5]. Prerequisite, Mathematics 33.
Six hours a week, November-December term; five hours a week, winter quarter. Mr. Linker.

151. PROJECTIVE HOMOGENEOUS COORDINATES AND THEIR APPLICATIONS (–) [5]. Prerequisite, Mathematics 32.
Five hours a week, spring quarter. Mr. Lasley.

161. ANALYTICAL GEOMETRY OF SPACE (3) [–]. Prerequisite, Mathematics 32.
Six hours a week, November-December term. Mr. Lasley.

171. ADVANCED CALCULUS (3) [5]. Prerequisite, Mathematics 33.
Six hours a week, September-October term; five hours a week, winter quarter. Mr. Mackie.

181. ELEMENTARY THEORY OF NUMBERS (3) [5]. Prerequisite, Mathematics 131.
Six hours a week, September-October term; five hours a week, spring quarter. Mr. Brauer.

191. VECTOR ANALYSIS (–) [5]. Prerequisites, Mathematics 121, 141, and 161.
Five hours a week, winter quarter. Mr. Hobbs.

251. ELEMENTS OF NON-EUCLIDEAN GEOMETRY (–) [5].
Five hours a week, spring quarter. Mr. Henderson.

261. DIFFERENTIAL GEOMETRY (–) [5]. Prerequisites, Mathematics 141 and 161.
Five hours a week, winter quarter. Mr. Lasley.

266. INTRODUCTION TO THE THEORY OF FUNCTIONS OF REAL VARIABLES (–) [5].
Five hours a week, spring quarter. Mr. Wong.

296. BASIC TOPICS IN MODERN ALGEBRA (–) [5]. Prerequisite, Mathematics 131.
Five hours a week, winter quarter. Mr. Brauer.

SEMINARS AND THESES (–) [5].
Reading and research in mathematics conducted by members of the department, as follows:

351, Mr. Henderson; 352, Mr. Hickerson; 356, Mr. Lasley; 361, Mr. Hobbs; 366, Mr. Browne; 371, Mr. Winsor; 376, Mr. Mackie; 377, Mr. Linker; 381, Mr. Brauer; 382, Mr. Cameron.

DEPARTMENT OF MUSIC

Professors: GLEN HAYDON, EARL SLOCUM
Associate Professors: *B. F. SWALIN, J. P. SCHINHAN
Assistant Professors: PAUL YOUNG, WILLIAM S. NEWMAN
Assistants: WILLIAM W. COLLINS, MARY LOUISE EMERY, WILLIS C. GATES, VIRGINIA HARE, DUREMA FITZGERALD, HERBERT S. LIVINGSTON, GWYNN MCPEEK, EMILY PORTER, HUBERT P. HENDERSON, KATE WHEELER HUGHES, MARGARET LEINBACH KOLB, CAROLYN LAMBETH LIVINGSTON, WILTON MASON, EUGENE STRYKER, EDGAR VOMLEHN

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Courses for Undergraduates

1. NOTATION, SIGHT-SINGING, AND DICTATION (3) [5]. *Twelve laboratory hours a week, November-December term; ten laboratory hours a week, winter quarter.* Mr. Young, Mr. Gates.

1-x. SIGHT-SINGING (–) [2½]. *Five laboratory hours a week, winter and spring quarters.* Mr. Young and Mr. Gates.

14-15. HARMONY (–) [10]. Prerequisite or corequisite, Music 1. *Five hours a week through winter and spring quarters.* Mr. Haydon.

21. NOTATION, SIGHT-SINGING AND DICTATION (–) [2½]. Prerequisite, Music 1 and Music 21. Sophomore requirement for those who will have music as a major. *Five hours a week, spring quarter.* Mr. Young.

22. NOTATION, SIGHT-SINGING AND DICTATION (1) [–]. Prerequisite, Music 1. Sophomore requirement for those who will have music as a major. *Four laboratory hours a week, September-October term.* Mr. Young.

25. THE HISTORY OF MUSIC (3) [–]. Prerequisite, Music 14-15; prerequisite or corequisite, Music 21-22. Sophomore requirement for those who will have music as a major. *Six hours a week, September-October term.* Mr. McPeek.

44. ADVANCED HARMONY (3) [–]. Prerequisite, Music 14-15; prerequisite or corequisite, Music 21-22. Sophomore requirement for those who will have music as a major. *Six hours a week, November-December term.* Mr. Schinhan.

45. ADVANCED HARMONY (3) [5]. Prerequisite, Music 14-15; prerequisite or corequisite, Music 21-22. Sophomore requirement for those who will have music as a major. *Six hours a week, September-October term.* Mr. Slocum. *Five hours a week, winter quarter.* Mr. Schinhan.

* On leave 1945-1946.

47-48. THE HISTORY OF MUSIC (–) [5 each].
Five hours a week, winter and spring quarters. Mr. Newman.

54. INSTRUMENTAL MUSIC OF THE CLASSICAL PERIOD (3) [–].
Six hours a week, November-December term. Mr. McPeek.

55. INSTRUMENTAL MUSIC OF THE ROMANTIC AND MODERN PERIODS (–) [5].
Five hours a week, winter quarter. Mr. Newman.

56. A SURVEY OF VOCAL MUSIC (–) [5].
Five hours a week, spring quarter. Mr. Newman.

61. MODAL COUNTERPOINT IN THE 16TH CENTURY STYLE (–) [5]. Prerequisite, Music 14-15.
Five hours a week, spring quarter. Mr. Schinhan.

64. TONAL COUNTERPOINT (3) [–]. Prerequisite, Music 14-15.
Six hours a week, November-December term. Mr. Slocum.

71. INSTRUMENTATION, ORCHESTRATION, AND ELEMENTARY CONDUCTING (–) [5]. Prerequisite, Music 44-45.
Five hours a week, spring quarter. Mr. Slocum.

74. ANALYSIS AND COMPOSITION IN THE SMALLER FORMS. (–) [5]. Prerequisite, Music 44-45.
Five hours a week, winter quarter. Mr. Slocum.

The following courses will be listed under the Education Department:

Music 75 (or Ed. 75). MATERIALS AND METHODS IN HIGH SCHOOL INSTRUMENTAL MUSIC (3) [–].
Six hours a week, September-October term. Mr. Slocum.

Music 76 (or Ed. 76). MATERIALS AND METHODS IN HIGH SCHOOL CHORAL MUSIC (3) [–].
Six hours a week, September-October term. Mr. Young.

Courses for Graduates and Advanced Undergraduates

101. INTRODUCTION TO MUSICOLOGY (3) [–]. Prerequisite, a reading knowledge of one or more of the important foreign languages, a fair knowledge of musical theory, and some skill in practical applied music.
Six hours a week, November-December term. Mr. Haydon.

Courses for Graduates

201. SPECIAL STUDIES (to be arranged). The department is ready to assist and advise competent graduate students who may propose plans for either research or creative work which meet with its approval. Hours and credit to be arranged. Mr. Haydon and Mr Schinhan.

301. SEMINAR: MUSICOLOGY (2) [–].
Four hours a week, November-December term. Mr. Haydon.

302. SEMINAR: MUSICOLOGY (–) [3].
Three hours a week, winter quarter. Mr. Haydon.

303. SEMINAR: MUSICOLOGY (–) [3].
Three hours a week, spring quarter. Mr. Haydon.

DEPARTMENT OF NAVAL SCIENCE

Professors: E. E. HAZLETT, JR., *Captain, USN (Ret),* D. W. LOOMIS, *Captain, USN*

Associate Professors: H. W. CARROLL, JR., *Cmdr., USNR,* A. G. SCHNABLE, *Cmdr., USN*

Assistant Professors: WARREN E. DURIN, *Lt. Cmdr., USNR,* ROBERT L. DABNEY, *Lt. Cmdr., USNR,* CHARLES C. ROBERTS, *Lt. Cmdr., USNR,* MARTIN J. EARLS, *Lt., USNR,* ROBERT LEPPER, *Lt., USNR,* DONALD G. BYERS, *Lt., USNR,* CHRISTOPHER R. MASTERSON, *Lt., USNR,* ROBERT D. PORTER, *Lt., USNR,* ROBERT E. PATTON, *Lt., USNR,* EPHRAIM B. WALKER, *Lt., USNR,* ROY C. MARKER, *Lt., USNR,* LEWIS E. LARMORE, *Lt., USNR,* PHILIP E. SCOTT, *Lt. (jg), USNR,* JAMES S. CLAUSEN, *Lt. (jg), USNR,* WILLIAM A. LANE, *Lt. (jg), USNR.*

General Statement

The primary object of the course in Naval Science and Tactics is to provide systematic instruction and training which will qualify graduates of the course for appointment as ensigns in the U. S. Naval Reserve or second lieutenants in the U. S. Marine Corps Reserve.

Training in the Naval Reserve Officers Training Corps shall so supplement the academic course given by the University that, upon completion of the course in Naval Science and Tactics, N.R.O.T.C. students will possess the following qualifications of a junior officer of the Naval or Marine Corps Reserve:

(a) A good general education.
(b) A practical working knowledge of essential naval subjects.
(c) A well-disciplined mind and body.
(d) An alacrity to assume intelligent responsibility and initiative.
(e) A well-developed sense of naval ideals, customs and traditions.
(f) Organization leadership and discipline of value in an industrial or professional career.

The Naval R.O.T.C. Program is a permanent training program for both peacetime and wartime. For the duration of the war, certain modifications in the administration of the NROTC were in effect as noted below:

(a) Academic instruction was based on the term or trimester instead of the quarter system.
(b) Students enrolled in the NROTC were selected from students who had successfully completed the first two terms in the Navy V-12 Program.
(c) Students completed their NROTC training in five terms of four months each.
(d) Students were on an active duty status and received the pay of apprentice seamen; the Navy furnished tuition, board, lodging, uniforms and books.

Following the cessation of hostilities, the following modifications in the war-time administration were effected:

(a) A short term during the months of November-December was instituted.

(b) The quarter system was instituted with the winter quarter, commencing in January 1946.

(c) Funds for pay, tuition, board, lodging, uniforms and books were extended for those students already enrolled until the expiration of the spring quarter, 1946.

(d) Students successfully completing the course at the end of the winter and spring quarters, if found physically qualified, were commissioned as Ensigns U. S. Naval Reserve or second lieutenants U. S. Marine Corps Reserve.

The following courses were offered during the year 1945-1946:

NS1-2. SEAMANSHIP.
Three hours a week, September-October term; six hours a week, November-December term.

NS3. ENGINEERING AND DAMAGE CONTROL.
Three hours a week, September-October term; five hours a week, winter quarter (with NS4).

NS4-5. NAVIGATION AND NAUTICAL ASTRONOMY I, II.
Three hours a week, September-October term (NS5 only); six hours a week, November-December term; five hours a week, winter quarter (NS4 with NS3); five hours a week, winter quarter (NS5 only).

NS6. NAVAL ADMINISTRATION AND LAW.
Five hours a week, winter and spring quarters.

NS7. TACTICS, AVIATION AND RECOGNITION—LOOKOUT.
Five hours a week, spring quarter.

NS8-9. ORDNANCE AND GUNNERY.
Three hours a week, September-October term (NS8 only); six hours a week, November-December term; five hours a week, winter and spring quarters (NS9 only).

NS10. COMMUNICATION.
Three hours a week, September-October term; five hours a week, winter and spring quarters.

NS11. REFRESHER COURSE.
Three hours a week, September-October term; five hours a week, winter and spring quarters.

DRILL.
During every term, two hours a week, in addition to classroom work, is devoted to practical work in conjunction with the above courses. Models and largest types of visual training aids are used in this work.

DEPARTMENT OF PATHOLOGY

Professors: J. B. BULLITT, R. L. HOLMAN
Associate Professor: *C. E. BROWN
Instructor: JOHN B. MIALE
Fellows: INEZ W. ELROD, RICHARD A. DURHAM
Assistant: MARY LOU RUTLEDGE
Senior Technician: MITTIE PICKARD
Technician: *LOLA REID
Acting Technician: DOROTHY M. DICKINSON
Student Assistant: JOYCE HINSON
Secretary: ALICE GATTIS

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

52. CLINICAL PATHOLOGY (–) [4]. Prerequisite, Chemistry 1-2-3, Zoology 41. † Elective.
A course for applicants for the degree of S.B. in Medical Technology. It covers the fundamentals and the technique of hematology, urinalysis, and other general laboratory procedures. *Two lecture and four laboratory hours a week, spring quarter.* Doctors Holman, Miale; Miss Rutledge.

DEPARTMENT OF PHARMACOLOGY

Professors: WILLIAM DEBERNIERE MACNIDER, ARNOLD JOHN LEHMAN
Assistant Professor: FRED WILSON ELLIS
Research Technician: MRS. DOROTHY S. BIZZELL

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

55. PHARMACOLOGY (–) [4½]. Prerequisite, materia medica, 51-52, Physiology 51. Primarily for students in Pharmacy.
Three lecture and three laboratory hours a week, winter quarter. Laboratory fee, $5.00. Messrs. Lehman, Ellis.

171ab. PHARMACOLOGY AND MATERIA MEDICA (–) [11]. Prerequisite, consult the instructors. †Elective.
Five lecture and three laboratory hours, fall quarter; three lecture and three laboratory hours, winter quarter. Laboratory fee for non-medical students, $15.00 a quarter. Messrs. Lehman, Ellis; Staff.

‡172. RESEARCH IN PHARMACOLOGY (–) [5 or more].
Hours and details to be arranged with instructor. *First, second and third quarters.* Messrs. Lehman, Ellis and Staff.

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* Absent on leave in service.
† Before registering for this course, the academic student must secure the permission of his Dean.
‡ First, second and third quarters are with reference to the quarters in the session of the School of Medicine.

*DEPARTMENT OF PHILOSOPHY

Professors: †F. F. BRADSHAW, S. A. EMERY
Associate Professors: HELMUT KUHN, L. O. KATTSOFF
Instructor: MARTIN LEAN

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Courses for Undergraduates

21. INTRODUCTORY LOGIC (3) [5].
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Messrs. Emery, Kuhn, Kattsoff, Lean.

23. INTRODUCTORY ETHICS (3) [5].
Six hours a week, November-December term; five hours a week, winter and spring quarters. Messrs. Emery, Kuhn, Kattsoff, Lean.

41. FIELDS OF PHILOSOPHY (3) [5].
Six hours a week, September-October and November-December terms; five hours a week, winter quarter. Messrs. Kattsoff, Lean.

56. THE DEVELOPMENT OF ANCIENT PHILOSOPHY (3) [–].
Six hours a week, November-December term. Mr. Kuhn.

57. THE DEVELOPMENT OF CHRISTIAN PHILOSOPHY (3) [5].
Six hours a week, November-December term; five hours a week, spring quarter. Mr. Kuhn.

58. THE DEVELOPMENT OF MODERN PHILOSOPHY (3) [5].
Six hours a week, September-October term; five hours a week, winter quarter. Messrs. Emery, Katsoff.

63. CONTEMPORARY PHILOSOPHY (3) [5].
Six hours a week, September-October term; five hours a week, spring quarter. Messrs. Emery, Lean.

71. BASIC CONCEPTS OF THE NATURAL SCIENCES (3) [–].
Six hours a week, November-December term. Mr. Kattsoff.

81. PHILOSOPHICAL IDEAS IN CONTEMPORARY LITERATURE (3) [–].
Six hours a week, September-October term. Mr. Kuhn.

96. PHILOSOPHY OF RELIGION (3) [–].
Six hours a week, November-December term. Mr. Kuhn.

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* The Department of Philosophy is a member of each Division. Accordingly, an undergraduate student planning a major in Philosophy will elect this Department as in one of these Divisions and will be governed by the rules of that Division, regarding the distribution of his work among departmental, divisional, and non-divisional courses.

No fixed group of courses in philosophy is required for an undergraduate major. Each student will decide his junior and senior program of courses in consultation with two advisers (one chosen by him, one appointed by the department). In suggesting programs the advisers will recognize as important the distinction between prospective graduate students and others. Before the end of the winter quarter of his junior year the student's program will be submitted to the Departmental staff for information and discussion.

† Resigned December 14, 1945.

100a, 100b, 100c. COURSES FOR HONORS (–) [5 each].
See the Program for Honors Work.

122. PLATO AND ARISTOTLE (–) [5].
Five hours a week, winter quarter. Mr. Kuhn.

126. CONTEMPORARY AMERICAN PHILOSOPHY (3) [5].
Six hours a week, September-October term; five hours a week, winter quarter. Messrs. Kattsoff, Lean.

127. AQUINAS AND AUGUSTINE (–) [5].
Five hours a week, spring quarter. Mr. Kuhn.

134. SYMBOLIC LOGIC (–) [5].
Five hours a week, spring quarter. Mr. Kattsoff.

Courses for Graduates

311. SPECIAL READINGS (–) [5].
Readings in a special field under the direction of a member of the Department.

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*DEPARTMENT OF PHYSICAL EDUCATION AND ATHLETICS

Director: R. A. FETZER
Professor: O. K. CORNWELL
Associate Professors: R. B. LAWSON, G. E. SHEPARD, G. C. KYKER, A. T. MILLER, F. T. SIEWERT, R. E. JAMERSON
Assistant Professors: C. E. MULLIS, MRS. GLADYS A. BEARD, E. C. PLISKE, HERMAN SCHNELL
Instructors: BUNN HEARN, J. F. KENFIELD, P. H. QUINLAN, MARY FRANCES KELLAM, M. D. RANSON, H. C. HOUSE, J. H. MURNICK, R. A. WHITE, BILLIE ALBRIGHT, W. G. JAMES, W. H. PEACOCK, C. G. SNAVELEY, MAX REED, J. R. MURPHEY, J. P. GILL, C. C. LITTLE, LOIS BLANCHETTE, C. P. ERICKSON, †WALTER RABB, M. Z. RONMAN
Graduate Assistants: BETTY DEAN KNOX, RALPH CASEY, WILLIS CASEY, ELOISE DEMAREST

The purpose of the work can be stated as follows: (1) To furnish to each student all the information about himself possible from a careful physical examination. (2) To teach him the elements of personal hygiene and public health. (3) To give special attention by way of corrective exercises to all students with physical handicaps. (4) To teach outdoor sports and leisure time recreations to all students in line with their capacities and interests. (5) To provide the necessary training for teachers in the field of health and physical education and thus help to meet the need in North Carolina for knowledge about

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* The work is under the joint control of the Department of Education and the Athletic Council; for the Department of Education, Dr. W. C. Ryan, for the Athletic Council, Director R. A. Fetzer are in charge.
† Absent on leave in military service.

individual and public health, and to promote widespread participation in wholesome recreation.

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Courses for Undergraduates

HYGIENE 11. PERSONAL HYGIENE (2) [3]. Required of freshmen.
Five hours a week, September-October and November-December terms; three hours a week, winter and spring quarters. Messrs. Mullis, Miller, Pliske, Siewert, Jamerson, Schnell.

HYGIENE 12W. HYGIENE (–) [3]. For Women.
Three hours a week, spring quarter. Mrs. Beard.

1-2-3. PHYSICAL EDUCATION (2) [3]. Required of freshmen.
Five hours a week, September-October and November-December terms; three hours a week, winter and spring quarters. Messrs. Lawson, Mullis, Shepard, Quinlan, House, Mathes, Murnick, White, Peacock, Kenfield, Hearn, Jamerson, Siewert, Ransom, Ronman.

1W-2W-3W. PHYSICAL EDUCATION FOR WOMEN (–) [2].
Two hours a week, winter and spring quarters. Mrs. Beard, Misses Blanchette, Kellam, Knox, Mrs. Demarest.

4. PHYSICAL EDUCATION (No credit). Required of sophomores, juniors, and seniors. Continuation of Physical Education 1-2-3.
Five hours a week, September-October and November-December terms. Staff.

4W. PHYSICAL EDUCATION (No credit). Required of sophomore, junior, and senior women. Continuation of physical education 12W.
Two hours a week, winter, spring and summer quarters. Mrs. Beard, Misses Blanchette, Kellam, Knox, Mrs. Demarest.

51. PRINCIPLES OF PHYSICAL EDUCATION (3) [–].
Six hours a week, November-December term. Mr. Shepard.

51a. Laboratory work of six hours weekly is required. Track and field events. Messrs. Fetzer, Ranson; Assistants.

51W. (Women). Laboratory work of four hours weekly is required. Mrs. Beard; Assistants.

52. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION, (–) [5].
Five hours a week, winter quarter. Mr. Shepard.

52a. Laboratory work of six hours weekly is required. Messrs. House, Mathes.

52W. (Women). Laboratory work of two hours weekly is required. Mrs. Beard; Assistants.

53. TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION (–) [5].
Five hours a week, spring quarter. Mr. House.

53a. Laboratory work of six hours weekly is required. Messrs. Shepard, House; Assistants.

53W. (Women). Laboratory work of two hours weekly is required. Mrs. Beard; Assistants.

61. HEALTH EDUCATION I (3) [–].
Six hours a week, November-December term. Messrs. Siewert, Mullis.

61a. Laboratory work of six hours weekly is required. Messrs. Siewert, Mullis.

61W. (Women). Laboratory work of two hours weekly is required. Mrs. Beard; Assistants.

62. HEALTH EDUCATION II (–) [5].
Five hours a week, winter quarter. Messrs. Siewert, Mullis.

62a. Laboratory work of six hours weekly is required. Messrs. Siewert, Mullis.

62W. (Women). Laboratory work of two hours weekly is required. Mrs. Beard; Assistants.

63. HEALTH EDUCATION III (–) [5].
Five hours a week, spring quarter. Mr. Mullis.

63a. Laboratory work of six hours weekly is required. Messrs. Siewert, Mullis.

63W. (Women). Laboratory work of two hours weekly is required. Mrs. Beard; Assistants.

64. DIRECTED TEACHING OF PHYSICAL EDUCATION (–) [5]. Prerequisite, courses to be determined by the instructor.
Five hours a week, spring quarter. Mr. Schnell, Mrs. Beard.

71. ANATOMY (3) [–].
Six hours a week, November-December term. Dr. Lawson.

72. PHYSIOLOGY (–) [5]. Prerequisite, Physical Education 71 or the equivalent of Zoology 41 and 42.
Five hours a week, winter quarter. Dr. Lawson.

73. INDIVIDUAL PHYSICAL EDUCATION FOR MEN (–) [5].
Five hours a week, with a laboratory requirement, spring quarter. Dr. Lawson.

74. INDIVIDUAL PHYSICAL EDUCATION FOR WOMEN (–) [5].
Five hours a week, spring quarter. Mrs. Demarest.

74W. (Women). Laboratory work of four hours weekly is required.
Spring quarter. Mrs. Demarest.

83a. METHODS AND MATERIALS IN THE TEACHING OF PHYSICAL EDUCATION IN ELEMENTARY SCHOOLS (3) [3].
Six hours a week, September-October term; three hours a week, winter quarter. Mrs. Beard.

83b. METHODS AND MATERIALS IN THE TEACHING OF PHYSICAL EDUCATION IN HIGH SCHOOLS AND COLLEGES (3) [3].
Six hours a week, September-October term; three hours a week, spring quarter. Miss Kellam.

85a. (Women). CHILD RHYTHMICS AND ELEMENTARY DANCING FOR THE PUBLIC SCHOOLS (5) [–].
Ten hours a week, November-December term. Mrs. Beard, Miss Blanchette.

85b. RHYTHMICS FOR PUBLIC SCHOOLS AND COLLEGES (5) [3].
Ten hours a week, November-December term; three hours a week, winter quarter. Mrs. Beard, Miss Blanchette.

Courses for Graduates and Advanced Undergraduates

120. PRINCIPLES OF PHYSICAL EDUCATION (2) [3]. Prerequisite, undergraduate work in education and psychology.
Four hours a week, November-December term; three hours a week, spring quarter. Messrs. Cornwell, Shepard.

121ab. ADMINISTRATION OF PHYSICAL EDUCATION (–) [5].
Five hours a week, spring quarter. Messrs. Shepard, Jamerson.

123. PERSONAL HYGIENE (–) [3]. Prerequisite, basic courses in science.
Three hours a week, winter and spring quarters. Messrs. Cornwell, Siewert.

126. INDIVIDUAL PHYSICAL EDUCATION (3) [–]. Prerequisite, anatomy and physiology, or equivalent.
Six hours a week, November-December term. Messrs. Quinlan, Siewert.

127. INTRAMURAL AND EXTRAMURAL ACTIVITIES FOR SCHOOLS AND COLLEGES (–) [3].
Three hours a week, winter quarter. Messrs. House, Shepard.

173. (Sociology 173). PLAY AND RECREATION (3) [5].
Six hours a week, September-October term; five hours a week, spring quarter. Mr. Meyer (of the Department of Sociology).

175. (Sociology 175). EXTRACURRICULAR ACTIVITIES (–) [5].
Five hours a week, winter quarter. Mr. Meyer (of the Department of Sociology).

Courses for Graduates

220. TESTS AND MEASUREMENTS IN HEALTH AND PHYSICAL EDUCATION (2) [3].
Five hours a week, September-October term; three hours a week, spring quarter. Messrs. Cornwell, Jamerson.

221. PHYSIOLOGY OF EXERCISE (–) [5]. Prerequisite, zoology and anatomy.
Five lecture and four laboratory periods a week, winter quarter. Dr. Miller.

s224. SCHOOL AND COMMUNITY HYGIENE (2) [3]. Prerequisite, adequate background in science.
Five hours a week, September-October term; three hours a week, spring quarter. Dr. ———— (of the School of Public Health).

225. MODERN PROBLEMS IN PHYSICAL EDUCATION (–) [3]. Prerequisite, experience and advanced work in physical education and education.
Three hours a week, winter quarter. Mr. Cornwell.

320. RESEARCH IN PHYSICAL EDUCATION (–) [3]. Prerequisite, experience and advanced work in the field.
Three hours a week, spring quarter. Messrs. Cornwell, Peacock.

341abc. SEMINAR COURSE (2) [3]. Prerequisite, adequate training and experience, and consent of the instructor.
Five hours a week, September-October and November-December terms; three hours a week, winter and spring quarters. Messrs. Cornwell, Siewert, Dr. ————.

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*DEPARTMENT OF PHYSICS

Professors: †A. E. RUARK, OTTO STUHLMAN, JR., KARL H. FUSSLER, †E. K. PLYLER
Associate Professors: NATHAN ROSEN, P. E. SHEARIN
Assistant Professors: †R. H. LYDDANE, J. W. STRALEY
Lecturers (Temporary Staff): J. STANLEY JOHNSON, HARVEY MORRISON, W. S. PLYMALE, ARTHUR WALTNER
Instructors: GEORGE JENKINS, ‡HENRY ZATZKIS
Teaching Fellow: JACK L. PARNELL
Technicians: NESTORE DICOSTANZO, R. J. MORRIS
Apparatus Custodian: W. D. HARRELL

Courses for Undergraduates

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

1-2, for V-12 or Civilian Students (15 q.h. through October 1945, 12 thereafter). No prerequisite.
NOTE: Both parts must be completed in order to receive any credit. Covers General Physics in two semesters. Physics 1 covers me-

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* For A.B. with Major in Physics (Math 1-2-3, Chemistry 1-2-3, Physics 1-2 or 24-25 and Math. 21-22-23, should have been completed in the General College): six courses in physics, six courses in other natural sciences including Math 141, and, for students with mathematical tendencies, one other course in mathematics, or for students with experimental tendencies, courses in chemistry and biology; six electives from Departments not in the Division of the Natural Sciences with English 59 and Philosophy 141 strongly recommended.
For B.S. in Physics the student should take in the General College: Physics 1-2 or 24-25; 52; 56; 54; Math. 1-2-3 and 31-32-33; two years of English, two years of French or German, and Social Science 1-2-3. In the junior and senior years he should take Physics 53; 55; 42 or 58; Math 41 and 141; Chemistry 1-2-3; English 59; five and one-half electives; five to six additional courses in chemistry, mathematics, and physics.
† Absent on leave.
‡ Left April 30, 1946.

chanics, heat and sound, and Physics 2 covers electricity and magnetism, optics and special topics, substantially in accordance with official V-12 course description.

Two lecture, two recitation, and two laboratory hours a week, September-October term, a continuation of course starting July 1; six lecture and four laboratory hours a week, November-December term; five lecture and two laboratory hours a week, winter quarter. Laboratory fee, $4.00 a semester. Lectures and recitations: Messrs. Stuhlman, Shearin, Straley, Johnson, Plymale, Waltner, Morrison, Zatzkis. Laboratory: Mr. Fussler and Staff.

4A. HEAT AND THERMODYNAMICS (4) [6]. (May be substituted for Physics 56). Prerequisite, one year of general college physics; corequisite, calculus M-5. Text: Young and Young, *Elementary Engineering Thermodynamics.*

Two lecture, one recitation, and two laboratory hours a week, September-October term, a continuation of course starting July 1; five lecture and two laboratory hours, winter quarter. Laboratory fee, $3.00. Messrs. Straley, Morrison, Waltner, Zatzkis.

5A. ELECTRICITY AND MAGNETISM (3) [–]. (May be substituted for Physics 55). Prerequisite, one year of general physics; corequisite, calculus M-5.

Two recitation and three laboratory hours a week, September-October term, a continuation of course starting July 1. Laboratory fee, $3.00. Texts: Blalock, *Elements of Electrical Circuits and Machinery;* Smith, *Electrical Measurements in Theory and Application.*

The lectures and laboratory work steer a middle course between the customary half-year courses given by Physics departments and Electrical Engineering departments. Electrostatics, magnetostatics, electrodynamics, D. C. circuits and equipment; single phase and polyphase A. C. circuits and equipment. Messrs. Straley, Plymale.

20. TWENTIETH CENTURY PHYSICS (–) [6]. No prerequisite.

An introductory course dealing with modern developments in physics. Such topics as x-rays, structure of atoms and molecules, the neutron, radioactivity, the atomic bomb, relativity and cosmic rays.

Five lecture and two laboratory hours a week, spring quarter. Messrs. Straley and Johnson.

24-25. GENERAL PHYSICS (8) [12]. Prerequisite, Freshman Mathematics.

NOTE: Both parts must be completed in order to receive any credit.

Six lecture and four laboratory hours a week, September-October and November-December terms; five lecture and two laboratory hours, winter and spring quarters. Laboratory fee, $4.00 a quarter. Lecture: Messrs. Stuhlman, Shearin, Straley, Fussler. Laboratory: Mr. Fussler and Staff.

41. ASTRONOMY (–) [5].

Five hours a week with occasional observations, spring quarter. Mr. Fussler.

42. RADIO (–) [5]. Prerequisite, Physics 5A or 55.

Four lecture and three laboratory hours a week, spring quarter. Laboratory fee, $3.00. Mr. Rosen.

51. X-RAY TECHNIQUE: BIOPHYSICS (–) [5]. Prerequisite, one year of general college physics.
Primarily for premedical or predental students, or medical technologists. May be used as a third or fourth year elective for S.B. in Medical Technology.
Two lecture and six laboratory hours a week, spring quarter. Laboratory fee, $15.00. Mr. Stuhlman.

52. MECHANICS (4) [–]. Prerequisite, one year of college physics.
Six lecture and four laboratory hours a week, November-December term. Laboratory fee, $3.00. Mr. Fussler.

53. OPTICS (4) [–]. Prerequisite, one year of general physics.
Six lecture and six laboratory hours a week, September-October term. Laboratory fee, $3.00. Mr. Stuhlman.

54. MODERN DEVELOPMENTS IN PHYSICS (–) [5]. Prerequisite, one year of college physics.
Five hours a week, spring quarter. Mr. Shearin.

55. ELECTRICITY AND MAGNETISM (5). Prerequisite, one year of college physics.
Four lecture and three laboratory hours a week, winter quarter. Laboratory fee, $3.00. Mr. Fussler.

Courses for Graduates and Advanced Undergraduates

101, 102, 103. INTRODUCTION TO MATHEMATICAL PHYSICS (3 each) [5 each]. Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56, 58. Mathematics 141 is desirable but may be taken concurrently.
Six hours a week, November-December term; five hours a week, winter and spring quarters. Mr. Rosen.

120. HEAT AND THERMODYNAMICS (3) [–]. Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56, 58.
Six lecture hours a week, September-October term. Mr. Rosen.

153. OPTICS (4) [–]. Prerequisite, one year of general college physics.
Six lecture and six laboratory hours a week, September-October term. Laboratory fee, $3.00. Mr. Stuhlman.

160. ELECTRONICS AND ATOMIC PHYSICS (3). Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56.
Six hours a week, November-December term. Mr. Stuhlman.

161. RADIOACTIVITY (–) [5]. Prerequisite, Calculus and one of the following: Physics 52, 53, 55, 56.
Five hours a week, winter quarter. Mr. Shearin.

Courses for Graduates

260. ATOMIC AND MOLECULAR STRUCTURE (3) [–]. Prerequisite, Calculus, Physics 53 (or 153), 101, 160, except by special permission.
Six hours a week, November-December term. Mr. Rosen.

261. QUANTUM MECHANICS, PART I (–) [5]. Prerequisite, Mathematics 141; Physics 260. Mathematics 221 is desirable.
Five hours a week, winter quarter. Mr. Rosen.

262. QUANTUM MECHANICS, PART II (–) [5]. Prerequisite, Physics 261.
Five hours a week, spring quarter. Mr. Rosen.

264. SPECTROSCOPY OF THE INFRARED (–) [5]. Prerequisite, Mathematics 141; Physics 53.
Five hours a week, winter quarter. Mr. Straley.

301. RESEARCH (3 or more) [5 or more].
Seven or more laboratory or computation hours a week. Any member of the graduate professional staff.

DEPARTMENT OF PHYSIOLOGY

Kenan Professor Emeritus: *I. H. MANNING
Professor: J. H. FERGUSON
Associate Professors: A. T. MILLER, E. P. HIATT
Instructor: VIRGINIA SUHRIE
Technician: R. S. SPARROW

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

51. GENERAL COURSE IN PHYSIOLOGY I (–) [5]. Prerequisite, general courses in zoology and chemistry. † Elective.
Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, $5.00. Messrs. Ferguson, Miller, Hiatt.

‡ 141. PHYSIOLOGY OF MUSCLE, NERVE, AND CIRCULATION (–) [5]. Prerequisite, consult the instructors. †Elective.
Three lecture and four laboratory hours a week, second quarter. Laboratory fee for non-medical students, $5.00. Messrs. Ferguson, Miller, Hiatt, and Staff.

‡ 142. GENERAL COURSE IN PHYSIOLOGY II (–) [12]. Prerequisite, consult the instructors. † Elective.
Six lecture and twelve laboratory hours a week, third quarter. Laboratory fee for non-medical students, $10.00. Messrs. Ferguson, Miller, Hiatt, and Staff.

Courses for Graduates

‡ 201. ENDOCRINOLOGY (–) [5]. Prerequisite, Physiology 141 and 142.
Three lecture and four laboratory hours a week, first and second quarters. Laboratory fee, $10.00. Messrs. Ferguson, Miller, Hiatt, and Staff.

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* Died February 12, 1946.
† Before registering for this work the academic student must secure the permission of his Dean.
‡ First, second, and third quarters are with reference to the quarters in the session of the School of Medicine.

*202. BLOOD (–) [5]. Available to selected students.
Three lecture and four laboratory hours a week, first and second quarters. Laboratory fee, $10.00. Mr. Ferguson.

*206. NEUROPHYSIOLOGY (–) [5]. Prerequisite, Physiology 141 and 142; Anatomy 101 or equivalent.
Three lecture and four laboratory hours a week, first and second quarters. Laboratory fee, $10.00. Messrs. Ferguson, Miller, Hiatt, and Staff.

*211. RESPIRATION, ACID-BASE BALANCE AND ELECTROLYTE DISTRIBUTION (–) [5]. Prerequisite, Physiology 141, 142; Biological Chemistry 102 and 103.
Three lecture and four laboratory hours a week, first and second quarters. Laboratory fee, $10.00. Messrs. Miller, Hiatt.

*212. RENAL PHYSIOLOGY AND WATER BALANCE (–) [5]. Prerequisite, Physiology 141, 142; Biological Chemistry 102 and 103.
Three lecture and four laboratory hours a week, first and second quarters. Laboratory fee, $10.00. Mr. Hiatt.

*301, 302, 303. RESEARCH IN PHYSIOLOGY (–) [5 or more]. Hours to be arranged with instructor. *First, second and third quarters. Laboratory fee, $5.00.* Messrs. Ferguson, Miller, Hiatt, and Staff.

†DEPARTMENT OF POLITICAL SCIENCE

Professors: C. B. ROBSON, W. W. PIERSON, E. J. WOODHOUSE, K. C. FRAZER, R. D. W. CONNOR, P. W. WAGER, W. S. JENKINS, ‡J. W. FESLER, ERVIN HEXNER
Associate Professor: ‡E. A. MAUCK
Assistant Professors: F. G. GIL, C. C. CARTER
Instructors: J. B. MACLEOD, MAVIS A. MANN, GORO A. DEEB, A. P. GRIMES, J. P. SAWYER, GEORGE H. DEMING

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses not offered in 1945-1946 are omitted.

Courses for Undergraduates

41. GOVERNMENT IN THE UNITED STATES (3) [5]. Sophomore elective.
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters.

42. PROCESSES AND PROBLEMS OF GOVERNMENT IN THE UNITED STATES (3) [5]. Prerequisite, Political Science 41 or equivalent.
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters.

* First, second, and third quarters are with reference to the quarters in the session of the School of Medicine.
† The requirements for A.B. with a major in Political Science are Political Science 41-42 or 51-52, and six additional courses. These six courses must be approved by the departmental adviser on the basis of the following plan: there must be distribution among at least four of the groups into which the advanced courses offered by the department fall, namely: (1) local, state, and federal government in the United States; (2) foreign governments; (3) political theory and jurisprudence; (4) international politics; and (5) public law and administration.
‡ Absent on leave in government service.

51. THE FEDERAL GOVERNMENT (3) [5].
Credit may not be obtained for 51 by students who offer 41 for credit.
Six hours a week, November-December term; five hours a week, winter and spring quarters. Messrs. Robson, Frazer, Jenkins, Carter.

81. AMERICAN STATE GOVERNMENT (3) [5]. Prerequisite, Political Science 41 or equivalent.
Six hours a week, November-December term; five hours a week, spring quarter. Mr. Jenkins.

86. INTERNATIONAL RELATIONS AND WORLD POLITICS (3) [5].
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Messrs. Hexner, Robson.

Courses for Graduates and Advanced Undergraduates

101. PUBLIC ADMINISTRATION (3) [5]. Prerequisite, Political Science 41 or equivalent.
Six hours a week, November-December term; five hours a week, spring quarter. Mr. Wager.

105 (225). PUBLIC PERSONNEL ADMINISTRATION (–) [5]. Prerequisite, Political Science 41 or equivalent.
Five hours a week, winter quarter. Mr. Wager.

123. COMPARATIVE GOVERNMENT (–) [5]. Prerequisite, Political Science 41 or equivalent.
Five hours a week, spring quarter. Mr. Hexner.

127. GOVERNMENT OF LATIN-AMERICAN STATES (3) [–]. Prerequisite, Political Science 41 or equivalent.
Six hours a week, November-December term. Mr. Pierson.

132. AMERICAN MUNICIPAL GOVERNMENT (3) [–]. Prerequisite, Political Science 41 or equivalent.
Six hours a week, September-October term. Mr. Woodhouse.

133. AMERICAN MUNICIPAL ADMINISTRATION (–) [5]. Prerequisite, Political Science 41 or equivalent.
Five hours a week, winter quarter. Mr. Woodhouse.

134. COUNTY GOVERNMENT AND ADMINISTRATION (–) [5]. Prerequisite, Political Science 41 or equivalent.
Five hours a week, spring quarter. Mr. Wager.

141. INTRODUCTION TO INTERNATIONAL LAW (3) [–]. Prerequisite, Political Science 41 or equivalent.
Six hours a week, November-December term. Mr. Frazer.

142. INTERNATIONAL ORGANIZATION AND INSTITUTIONS (–) [5]. Prerequisite, Political Science 41 or equivalent.
Five hours a week, winter quarter. Mr. Frazer.

144. THE ORGANIZATION AND CONDUCT OF THE FOREIGN RELATIONS OF THE UNITED STATES (–) [5]. Prerequisite, Political Science 41 or equivalent.
Five hours a week, spring quarter. Mr. Frazer.

151. THE ELEMENTS OF POLITICAL SCIENCE (–) [5]. Prerequisite, Political Science 41 or equivalent.
Five hours a week, winter quarter. Mr. Pierson.

154. DEVELOPMENT OF THE ENGLISH CONSTITUTION (–) [5]. Prerequisite, Political Science 41 or equivalent.
Five hours a week, winter quarter. Mr. Godfrey.

155. THE CONSTITUTION OF THE UNITED STATES (3) [–]. Prerequisite, Political Science 41 or equivalent.
Six hours a week, November-December term. Mr. Jenkins.

158. HISTORICAL JURISPRUDENCE II (–) [5]. Prerequisite, Political Science 41 or equivalent.
Five hours a week, spring quarter. Mr. Woodhouse.

166. RECENT AND CONTEMPORARY POLITICAL THOUGHT (–) [5]. Prerequisite, Political Science 41 or equivalent.
Five hours a week, spring quarter. Mr. Robson.

175. POLITICAL PARTIES AND PUBLIC OPINION (3) [–]. Prerequisite, Political Science 41 or equivalent.
Six hours a week, September-October term. Mr. Woodhouse.

181. RECENT NATIONAL POLICY AND ADMINISTRATION (–) [5]. Prerequisite, Political Science 41 or equivalent.
Five hours a week, winter quarter. Mr. Robson.

191. PUBLIC FINANCE (Same as Economics 141) (3) [5].
Six hours a week, September-October term; five hours a week, spring quarter. Mr. Heer (of the Department of Economics).

192. PROBLEMS IN FEDERAL FINANCE (Same as Economics 142) (–) [5].
Five hours a week, spring quarter. Mr. Heer (of the Department of Economics).

Courses for Graduates

231. THE LEGISLATIVE PROCESS (–) [5].
Five hours a week, spring quarter. Mr. Jenkins.

311a. AMERICAN POLITICAL THEORY (–) [5].
Five hours a week, winter quarter. Mr. Pierson.

341. SEMINAR COURSE (3) [5].
A research course in a special field under the direction of a member of the department.

*DEPARTMENT OF PSYCHOLOGY

Professors: J. F. DASHIELL, H. W. CRANE, ENGLISH BAGBY
Associate Professor: R. J. WHERRY
Assistant Professor: W. J. DANIEL
Visiting Lecturer: SIGMUND KOCH
Instructors: M. J. WHITE, B. M. DRUCKER, JERRY DANIEL, MARY MARTIN, C. R. ELLIOTT, AILENE MORRIS, MARJORIE BASON
Teaching Fellow: PHYLLIS ROSNER
Assistants: LOVICK MILLER, PAMELA HOTARD, MARJORIE NICOL, DOROTHY PHILLIPS

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Courses for Undergraduates

PS1. ELEMENTARY PSYCHOLOGY FOR SERVICE STUDENTS (1½) [–].
Three hours a week, September-October term. Mrs. Daniel.

NOTE: Course PS1 is not satisfactory prerequisite work for advanced courses in the department which are to be taken for academic credit.

† 24-25. GENERAL PSYCHOLOGY (–) [12].
Ten lecture and six laboratory hours a week, September-October term (24 only) and November-December term; five lecture and two laboratory hours a week, winter and spring quarters. Laboratory fee, $3.00 a term or quarter. Messrs. Wherry, Dashiell, Daniel. Laboratory: Messrs. Dashiell, White, Elliott; Misses Morris, Bason, Rosner.

NOTE: General Psychology is prerequisite for all other courses in the department.

28. ESSENTIALS OF PSYCHOLOGY FOR PRE-MEDICAL STUDENTS (–) [6]. Open only to pre-medical, pre-dental, and pre-nursing students. Not satisfactory prerequisite work for other courses in psychology.
Five lecture and two laboratory hours a week, spring quarter. Laboratory fee, $3.00. Lectures: Mr. Daniel. Laboratory: Mr. Elliott.

33. SOCIAL PSYCHOLOGY (–) [5].
Five hours a week, winter quarter. Mr. Bagby.

40. THE PSYCHOLOGY OF PERSONALITY (–) [5].
Five hours a week, spring quarter. Mr. Bagby.

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* For students planning a major in Psychology: (a) courses in mathematics, in physiology, in physics or zoology, and in economics, are strongly advised; (b) credits for lectures only in general psychology, when taken at another institution, must be supplemented by the laboratory work of courses 24-25 (with credit).

† For students without majors in Psychology; credit for lectures only, when taken at another institution, may not be counted toward partial satisfaction of the requirement on a Natural Science.

Courses for Graduates and Advanced Undergraduates

122. LEARNING PROCESSES (–) [5].
(1945-1946 and alternate years.) *Five hours a week, spring quarter.* Mr. Daniel.

125. ANIMAL BEHAVIOR (–) [5].
Four lecture and two laboratory hours a week, winter quarter. Laboratory fee, $2.00. Messrs. Daniel, White.

126. CHILD DEVELOPMENT (–) [5].
Four lecture and two laboratory hours a week, winter quarter. Laboratory fee, $1.50. Mr. Dashiell.

130. ELEMENTARY PSYCHOLOGICAL STATISTICS (3) [5].
Four lecture and four laboratory hours a week, November-December term; four lecture and two laboratory hours a week, winter quarter. Laboratory fee, $1.00. Messrs. Wherry, Drucker; Miss Liddell.

133. SOCIAL PSYCHOLOGY (3) [–].
Six hours a week, September-October term. Laboratory fee, $1.00. Mr. Koch.

135. PERSONAL AND PUBLIC ECONOMIC RELATIONS (–) [5].
Four lecture and two laboratory hours a week, spring quarter. Laboratory fee, $1.50. Mr. Wherry.

144. MENTAL HYGIENE (3) [–].
Six hours a week, September-October and November-December terms. Mr. Crane.

145. FEEBLE-MINDEDNESS (–) [5].
(1945-1946 and alternate years.) *Five hours a week, winter quarter. Laboratory fee, $1.00.* Mr. Crane.

146. PSYCHONEUROSES AND PSYCHOSES (–) [5].
Five hours a week, spring quarter. Mr. Crane.

147. METHODS OF MENTAL EXAMINATION (–) [5].
Four lecture and two laboratory hours a week, winter quarter. Laboratory fee, $3.00. Mr. Crane, Misses Liddell and Ellis.

148, 149. CLINICAL PRACTICE (–) [5 each]. Prerequisite, Psychology 147.
Ten laboratory hours a week, winter and spring quarters. Laboratory fee, $3.00 a quarter. Mr. Crane.

151, 152. ORIGINAL PROBLEMS (–) [5 each].
Ten laboratory hours a week, winter and spring quarters. Laboratory fee, $3.00 a quarter. Messrs. Dashiell, Crane, Bagby, Wherry, Daniel.

181. LABORATORY ANALYSIS IN PERSONNEL PSYCHOLOGY (–) [5]. Advised corequisite, Psychology 135 or Commerce 155.
Ten laboratory hours a week, spring quarter. Laboratory fee, $3.00. Mr. Wherry; Misses Gray, Martin.

191. HISTORICAL SURVEY OF PSYCHOLOGY (–) [5].
(1945-1946 and alternate years.) *Five hours a week, November-December term.* Mr. Dashiell.

Courses for Graduates

201, 202. EXPERIMENTAL METHODS AND PROCEDURES (–) [5].

Courses 201 and 202 to be offered in alternate years. *One lecture and eight laboratory hours a week, winter quarter. Laboratory fee, $3.00.* Messrs. Daniel, White.

251, 252. RESEARCH IN PSYCHOLOGY (–) [5 each]. Prerequisite, Psychology 201 or 202.

Ten laboratory hours a week, winter and spring quarters. Laboratory fee, $3.00 a quarter. Messrs. Dashiell, Crane, Wherry, Daniel.

325. SEMINAR (2) [2].

Four hours a week, November-December term; two hours a week, winter and spring quarters. Staff.

341, 342. ADVANCED RESEARCH (–) [5].

Ten laboratory hours a week, any quarter. Staff.

The student is referred also to courses in Educational Psychology, Statistics, Neurology, and Personnel, listed in other departments of the University.

DEPARTMENT OF ROMANCE LANGUAGES

Professors: W. M. DEY, S. E. LEAVITT, U. T. HOLMES, N. B. ADAMS, H. R. HUSE, J. C. LYONS (Secretary), *R. S. BOGGS, S. A. STOUDEMIRE, W. L. WILEY, †HUGO GIDUZ

Associate Professor: H. H. STAAB

Assistant Professors: ‡R. W. LINKER, A. G. ENGSTROM (Acting Secretary), F. G. GIL

Instructors: §J. E. CARROLL, §W. D. CREECH, ‡W. A. MCKNIGHT, R. D. WHICHARD, §E. F. MOYER, §R. G. LEWIS, E. D. TURNER, §J. J. GUILBEAU, ‡F. M. DUFFEY, W. G. BURKS, §J. W. WHITTED, ‡D. H. WALTHER, G. R. KEYS, ‡W. S. WOODS, ‡J. W. BANNER, JACQUES HARDRÉ, ||W. E. STRICKLAND, ||G. W. POLAND, J. M. SMITH, JR., §D. W. MCPHEETERS, §M. D. RAMÍREZ, J. E. KELLER, J. MIRANDA, R. N. ANDES, R. BAESSA, ¶E. BELLO, **J. E. DUFFY, ††B. GICOVATE, ‡E. W. BROCKMAN, JR.

Teaching Fellows: THELMA THOMPSON, ELOISE BAYNES, JAMES S. PATTY

Research Assistant: MARION A. GREENE

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

‡‡FRENCH

Courses for Undergraduates

L1-2. ELEMENTARY FRENCH (6) [10].
Six hours a week through two short terms; five hours a week, through two quarters. Messrs. Lyons, Staab, Linker, Engstrom, Whichard, Smith, Hardré, Woods, Andes, Patty, Brockman.

NOTE: No student is permitted to take French 1, 2, 3, or 4 and Spanish 1, 2, 3, or 4 at the same time.

Attention is called to French 14X-15X, designed for advanced students who have fulfilled the requirements in another foreign language.

Especially recommended students in the course, L2A, are allowed to proceed immediately to L4, upon the completion of which 15 quarter hours are given for L2A-L4.

L3-4. INTERMEDIATE FRENCH (6) [10].
Six hours a week through two short terms; five hours a week, through two quarters. Messrs. Lyons, Wiley, Giduz, Staab, Linker, Engstrom, Whichard, Smith, Hardré, Woods, Andes, Patty.

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* Absent on leave Sept.-Oct. term, Nov.-Dec. term, and winter quarter.
† Of the Department of Education. Sept.-Oct. and Nov.-Dec. terms.
‡ Winter and spring quarters.
§ Absent on leave in service.
|| Spring Quarter.
¶ Sept.-Oct. term.
** Sept.-Oct. term, Nov.-Dec. term, and winter quarter.
†† Sept.-Oct. and Nov.-Dec. terms.
‡‡ Students interested in having a major in French will please consult Dr. J. C. Lyons, Departmental Adviser.

L6-7 (21-22). ADVANCED FRENCH (6) [10]. Prerequisite, Intermediate French.
Sophomore elective. *Six hours a week, through two short terms; five hours a week, through two quarters.* Messrs. Huse, Wiley, Linker, Engstrom, Whichard, Smith, Woods, Andes.

14X-15X. BEGINNING COURSE FOR ADVANCED STUDENTS (–) [10].
Elective. *Five hours a week, through winter and spring quarters.* Mr. Hardré.

51. FRENCH CONVERSATION AND COMPOSITION (5). Prerequisite, Advanced French.
Six hours a week, November-December term; five hours a week, winter and spring quarters. Mr. Hardré.

52. FRENCH CIVILIZATION (–) [5]. Prerequisite, French 51.
Five hours a week, winter and spring quarters. Mr. Lyons.

71. SURVEY OF FRENCH LITERATURE I (3) [5]. Prerequisite, Advanced French.
Open to juniors and seniors. *Six hours a week, November-December term; five hours a week, spring quarter.* Mr. Engstrom.

72. SURVEY OF FRENCH LITERATURE II (3) [5]. Prerequisite, Advanced French.
This course is a continuation of French 71. Open to juniors and seniors. *Six hours a week, September-October term; five hours a week, winter quarter.* Mr. Engstrom.

NOTE: Courses in Directed Teaching of High School French and in Materials and Methods of Teaching High School French will be found under the Department of Education.

Courses for Graduates and Advanced Undergraduates

115. FRENCH LYRIC POETRY (–) [5]. Prerequisite, French 71-72.
Five hours a week, spring quarter. Mr. Huse.

126. HISTORY OF THE FRENCH LANGUAGE (3) [–]. Prerequisite, French 71-72.
Six hours a week, November-December term. Mr. Holmes.

131. THE FRENCH DRAMA PRIOR TO 1700 (–) [5]. Prerequisite, French 71-72.
(1945-1946 and alternate years.) *Five hours a week, winter quarter.* Mr. Wiley.

132. THE FRENCH DRAMA SINCE 1700 (3) [–]. Prerequisite, French 71-72.
(1945-1946 and alternate years.) *Six hours a week, September-October term.* Mr. Engstrom.

145. FRENCH PHONETICS (3) [–]. Prerequisite, French 71-72.
Six hours a week, November-December term. Mr. Dey.

171. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY I (–) [5]. Prerequisite, French 71-72.
(1945-1946 and alternate years.) *Five hours a week, winter quarter.* Mr. Lyons.

172. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY II (–) [5]. Prerequisite, French 71-72.
Five hours a week, spring quarter. Mr. Lyons.

181. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY (3) [–]. Prerequisite, French 71-72.
(1945-1946 and alternate years.) *Six hours a week, November-December term.* Mr. Huse.

191. FRENCH ROMANTICISM (–) [5]. Prerequisite, French 71-72.
Five hours week, winter quarter. Mr. Dey.

192. FRENCH LITERATURE SINCE 1850 (–) [5]. Prerequisite, French 71-72.
Five hours a week, spring quarter. Mr. Dey.

CELTIC 105. OLD IRISH (–) [5].
Five hours a week, spring quarter. Mr. Holmes.

Courses for Graduates

221-222-223. OLD FRENCH (–) [15].
Seven and one-half hours a week, November-December term; five hours a week, winter and spring quarters. Mr. Holmes.

225. PROVENÇAL (–) [5].
(1945-1946 and alternate years.) *Five hours a week, winter quarter.* Mr. Holmes.

248. FRENCH LITERATURE OF THE 14TH AND 15TH CENTURIES (–) [5]. Prerequisite, French 221 or 265.
Five hours a week, spring quarter. Mr. Holmes.

266. FRENCH LITERATURE OF THE RENAISSANCE II (3) [–].
Six hours a week, September-October term. Mr. Holmes.

395. RESEARCH (3) [5].
Research in a special field under the direction of a member of the department.

PORTUGUESE

Courses for Undergraduates

51-52. ELEMENTARY PORTUGUESE (–) [10]. Prerequisite, Intermediate French or Spanish.
Five hours a week through winter and spring quarters. Mr. Walther.

Course for Graduates

221. OLD PORTUGUESE (3) [5].
(1945-1946 and alternate years.) *Six hours a week, September-October term.* Mr. Holmes.

*SPANISH

Courses for Undergraduates

L1-2. ELEMENTARY SPANISH (6) [10].
Six hours a week, through two short terms; five hours a week, through two quarters. Messrs. Stoudemire, McKnight, Burks, Keller, Duffey, Walther, Miranda, Duffy, Turner, Keys, Poland, Banner, Baessa, Bello, Gicovate.

NOTE: No student is permitted to take Spanish 1, 2, 3, or 4 and French 1, 2, 3, or 4 at the same time.

Attention is called to Spanish 14X-15X, designed for advanced students who have fulfilled the requirements in another foreign language.

Especially recommended students in the course, L2A, are allowed to proceed immediately to L4, upon the completion of which 15 quarter hours are given for L2A-L4.

L3-4. INTERMEDIATE SPANISH (6) [10].
Six hours a week, through two short terms; five hours a week, through two quarters. Messrs. Gil, McKnight, Burks, Keller, Duffey, Walther, Miranda, Duffy, Keys, Banner, Baessa, Gicovate.

L6-7 (21-22). ADVANCED SPANISH (6) [10]. Prerequisite, Intermediate Spanish.
Sophomore elective. *Six hours a week, through two short terms; five hours a week, through two quarters.* Messrs. Leavitt, Stoudemire, Gil, Keller, Walther, Duffy, Turner, Keys, Baessa, Gicovate.

51. SPANISH CONVERSATION AND COMPOSITION (3) [5]. Prerequisite, Advanced Spanish.
Six hours a week, November-December term; five hours a week, winter and spring quarters. Messrs. Gil, Baessa.

52. SPANISH CIVILIZATION (3) [5]. Prerequisite, Spanish 51.
Six hours a week, September-October term; five hours a week, winter and spring quarters. Mr. Gil.

71. SURVEY OF SPANISH LITERATURE TO 1700 (3) [5]. Prerequisite, Advanced Spanish.
Open to juniors and seniors. *Six hours a week, November-December term; five hours a week, spring quarter.* Mr. Stoudemire.

72. SURVEY OF SPANISH LITERATURE SINCE 1700 (3) [5]. Prerequisite, Advanced Spanish.
This course is a continuation of Spanish 71. Open to juniors and seniors.
Six hours a week, September-October term; five hours a week, winter quarter. Messrs. Stoudemire, Keller.

NOTE: Courses in Directed Teaching of High School Spanish and in Materials and Methods of Teaching High School Spanish will be found under the Department of Education.

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* Students interested in having a major in Spanish will please consult Dr. S. A. Stoudemire, Departmental Adviser.

Courses for Graduates and Advanced Undergraduates

112. THE NOVEL IN SPANISH AMERICA (–) [5]. Prerequisite, Spanish 71-72.
(1945-1946 and alternate years.) *Five hours a week, spring quarter.* Mr. Leavitt.

115. EARLY LYRIC POETRY (3) [–]. Prerequisite, Spanish 71-72.
(1945-1946 and alternate years.) *Six hours a week, November-December term.* Mr. Adams.

116. MODERN LYRIC POETRY (–) [5]. Prerequisite, Spanish 71-72.
(1945-1946 and alternate years.) *Five hours a week, winter quarter.* Mr. Stoudemire.

117. CERVANTES (3) [–]. (Comparative Literature 117).
Credit in Spanish is given upon approval of the instructor. *Six hours a week, November-December term.* Mr. Stoudemire.

131. LOPE DE VEGA AND HIS CONTEMPORARIES (3) [–]. Prerequisite, Spanish 71-72.
(1945-1946 and alternate years.) *Six hours a week, November-December term.* Mr. Leavitt.

132. CALDERÓN AND HIS CONTEMPORARIES (–) [5]. Prerequisite, Spanish 71-72.
(1945-1946 and alternate years.) *Five hours a week, winter quarter.* Mr. Leavitt.

145. SPANISH PHONETICS (–) [5]. Prerequisite, Spanish 71-72.
Five hours a week, spring quarter. Mr. Boggs.

Courses for Graduates

221-222. OLD SPANISH (–) [10].
Ten hours a week, spring quarter. Mr. Boggs.

395. RESEARCH (3) [5].
Research in a special field under the direction of a member of the department.

ITALIAN

Course for Graduates and Advanced Undergraduates

156. DANTE IN ENGLISH TRANSLATION (–) [5]. (Comparative Literature 156).
Five hours a week, winter quarter. Mr. Huse.

*DEPARTMENT OF SOCIOLOGY

Professors: H. W. ODUM, E. R. GROVES, H. D. MEYER, S. H. HOBBS, JR., R. B. VANCE, KATHARINE JOCHER, G. W. BLACKWELL, L. M. BROOKS

Associate Professors: HARRIET L. HERRING, †MARGARET JARMAN HAGOOD, EDITH WEBB WILLIAMS, D. S. KLAISS

Visiting Professor of Social Anthropology: JOHN P. GILLIN (resident after 1945-46)

Teaching Fellow: FAYE ELIZABETH HANCOCK

Assistants: ANNA GREENE SMITH, ROSLYN G. RIBNER, GEORGE SIMPSON

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Courses for Undergraduates

Students desiring one or more elective courses in sociology may take either Sociology 51 or 52.

51. INTRODUCTION TO SOCIOLOGY (3) [5].
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Mr. Brooks.

52. SOCIAL PROBLEMS (3) [5].
Six hours a week, September-October and November-December terms; five hours a week, winter and spring quarters. Mr. Meyer; Miss Hancock.

53. RURAL SOCIAL-ECONOMICS (3) [–].
Six hours a week, November-December term. Mr. Hobbs.

62. MARRIAGE (3) [5]. Open to seniors.
Six hours a week, September-October term; five hours a week, winter and spring quarters. Mrs. Groves; Mr. Klaiss.

Courses for Graduates and Advanced Undergraduates

101. NORTH CAROLINA: ECONOMIC AND SOCIAL (3) [5].
Six hours a week, September-October and November-December terms; five hours a week, spring quarter. Mr. Hobbs.

102. RURAL SOCIOLOGY (formerly 71, 271abc) (3) [5].
Six hours a week, September-October term; five hours a week, winter quarter. Mr. Hobbs.

103. HISTORY OF AGRICULTURE (–) [5.]
Five hours a week, spring quarter. Mr. Hobbs.

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* For a major in the Department, Sociology 51 and 52 are prerequisite. Sociology 152 is required in addition to the preceding courses. All other courses in the major are elective. The number of courses required for a major in Sociology is six provided 51 and 52 have been completed, or eight if these preliminary courses have not been completed.

† Absent on leave 1945-1946.

110. RURAL LAND PLANNING AND LAND ECONOMICS (–) [5]. Prerequisite or corequisite, general economics or Sociology 53.
Five hours a week, winter quarter. Mr. Hobbs.

133. SOCIAL PSYCHOLOGY (3) [–]. See Psychology 133.
Six hours a week, September-October term. Mr. Koch.

151. SOCIAL ANTHROPOLGY (3) [–].
Six hours a week, November-December term. Mr. Gillin.

152. SOCIAL THEORY (–) [5].
Five hours a week, winter quarter. Mr. Vance.

154. CONTEMPORARY SOCIETY (3) [–].
Six hours a week, November-December term. Mr. Odum.

160. INTRODUCTION TO SOCIAL WORK (3) [–].
Six hours a week, September-October and November-December terms. Mr. Lawrence, Mr. Fink.

161. THE FAMILY (3) [–].
Six hours a week, November-December term. Mr. Klaiss.

168. THE URBAN COMMUNITY (3) [5].
Six hours a week, September-October term; five hours a week, spring quarter. Mr. Brooks.

171. EDUCATIONAL SOCIOLOGY (–) [5].
Five hours a week, winter quarter. Mr. Blackwell.

173. COMMUNITY RECREATION (formerly Play and Recreation) (3) [5].
Six hours a week, September-October term; five hours a week, spring quarter. Mr. Meyer.

174. COMMUNITY LEADERSHIP (3) [5].
Six hours a week, September-October term; five hours a week, spring quarter. Mr. Blackwell.

175. EXTRACURRICULAR ACTIVITES (–) [5].
Five hours a week, winter quarter. Mr. Meyer.

180. REGIONAL PROBLEMS AND PLANNING (–) [5]. Prerequisites, three courses in Sociology.
Five hours a week, winter quarter. Mr. Odum.

181. REGIONAL SOCIOLOGY OF THE SOUTH (3) [–].
Six hours a week, November-December term. Mr. Blackwell.

182. THE COOPERATIVE MOVEMENT (3) [–].
Six hours a week, November-December term. Mr. Brooks.

185. THE NEGRO (–) [5].
Five hours a week, spring quarter. Mr. Odum.

186. POPULATION (–) [5].
Five hours a week, spring quarter. Mr. Vance.

191. SOCIAL STATISTICS (–) [5]. Prerequisite, three courses in Sociology.
Four lecture and four laboratory hours a week, winter quarter. Mrs. Williams.

192. CRIMINOLOGY (–) [5].
Five hours a week, winter quarter. Mr. Brooks.

193. SOCIAL PATHOLOGY (3) [–].
Six hours a week, November-December term. Mr. Meyer.

198. JUVENILE DELINQUENCY AND ITS SOCIAL TREATMENT (3) [–].
Six hours a week, September-October term. Mr. Sanders; Mr. Odum.

Courses for Graduates

208. METHODS IN SOCIAL RESEARCH (–) [5].
Five hours a week, winter quarter. Mr. Odum; Miss Jocher.

210. FOLK SOCIOLOGY (–) [5].
Five hours a week, spring quarter. Mr. Odum.

301, 302, 303 (3 each) [5 each]. GRADUATE RESEARCH SEMINARS.
Any term or quarter. Mr. Blackwell.

311, 312, 313. RURAL SOCIAL PROBLEMS (3 each) [5 each]. (Formerly 311abc.)
Any term or quarter. Mr. Hobbs; Assistants.

332. MARRIAGE AND FAMILY COUNSELLING (3) [–].
Six hours a week, September-October term. Mrs. Groves.

333. EDUCATION FOR FAMILY LIFE (–) [5].
Five hours a week, spring quarter. Mr. Groves.

334. PROBLEMS OF DOMESTIC ADJUSTMENT (–) [5].
Five hours a week, spring quarter. Mr. Groves.

341. SEMINAR (3) [5].
Individual research in a special field under the direction of a member of the department.
Any term or quarter.

*DEPARTMENT OF ZOOLOGY

Professors: R. E. COKER, C. D. BEERS, D. P. COSTELLO
Associate Professors: †W. L. ENGELS, ‡I. C. KITCHIN, M. WHITTINGHILL
Assistant Professors: §C. A. VILLEE, JR., C. S. JONES
Teaching Fellow: ROBERTA LOVELACE
Assistants: MARTIN R. BENJAMIN, CHARLES B. BLAIR, JR., WILLIAM W. THOMAS, EMILY ANN FELD, ANNE OSBORNE, HAROLD SUITS

NOTE: Figure in parentheses represents semester hours, figure in brackets quarter hours. Courses given in alternate years not offered in 1945-1946 are omitted.

Courses for Undergraduates

1. ELEMENTS OF HUMAN AND ANIMAL BIOLOGY (4) [5]. Freshman elective.
Six lecture and four laboratory hours a week, September-October term. Mr. Villee. *Four lecture and two laboratory hours a week, winter and spring quarters. Laboratory fee, $2.00.* Messrs. Kitchin, Jones.

41. FUNDAMENTALS OF ANIMAL BIOLOGY (5) [6].
Six lecture and eight laboratory hours a week, November-December term; four lecture and four laboratory hours a week, winter quarter. Laboratory fee, $7.50 Mr. Coker; Assistants.

42. PRINCIPLES OF ANIMAL BIOLOGY (5) [6]. Prerequisite, Zoology 41.
Six lecture and eight laboratory hours a week, September-October and November-December terms; four lecture and four laboratory hours a week, spring quarter. Laboratory fee, $7.50. Mr. Jones; Assistants.

46. OCEANOGRAPHY (OCEANIC ECOLOGY) (–) [5].
An introduction to the study of the seas with special reference to the conditions of biological productivity and fisheries.
The course treats briefly the history of oceanography, and deals with chemical, physical, topographic and general geographic features, and the plan of circulation, as such conditions affect life in the sea and the yield of useful products. The course is planned to be of value to anyone interested in the seas, because of concern with aviation, meteorology, navigation, geography, or biology.

* For A.B. with major in Zoology, there are required six courses in Zoology of the level of 41 or higher, or five in Zoology with Botany 41. Six courses should be taken in other Departments of the Division of the Natural Sciences including two courses in Chemistry and two in Physics, if these have not been taken in the General College. Courses necessary to complete the required number of hours for graduation should be taken in departments outside the Division of Natural Sciences. (See also notes on page 77.) At least three courses should be taken in one Department other than Zoology either within or without the Division.
† Returned from military service, November 1, 1945.
‡ Returned from military service, January 1, 1946.
§ Resigned, December 31, 1945.

NOTE: Courses in Directed Teaching of High School Science and in Materials and Methods of Teaching High School Science will be found under the Department of Education.

The course as now offered is experimental. Specific prerequisites are not set up; but enrollment is limited by consent of the instructor and the Dean of the College of Arts and Sciences, who must be satisfied as to the interest and the background of the student.

Five hours a week, lectures and reading, spring quarter. Mr. Coker.

Courses for Graduates and Advanced Undergraduates

103. COMPARATIVE VERTEBRATE ANATOMY (6) [6]. Prerequisite, Zoology 41 and 42.

Six lecture and twelve laboratory hours a week, September-October and November-December terms. September-October term, Mr. Villee; *November-December term,* Messrs. Villee, Engels. *Two lecture and nine laboratory hours a week, winter quarter. Laboratory fee, $12.50.* Mr. Engels.

104. VERTEBRATE EMBRYOLOGY (6) [6]. Prerequisite, Zoology 103.

Six lecture and twelve laboratory hours a week, November-December term. One lecture and ten laboratory hours a week, spring quarter. Laboratory fee, $10.00. Mr. Whittinghill.

105. VERTEBRATE HISTOLOGY AND MICROTECHNIQUE (–) [6]. Prerequisite, Zoology 41 and 42.

One lecture and ten laboratory hours a week, spring quarter. Laboratory fee, $10.00. Mr. Beers.

106-107-108. MORPHOLOGY AND CLASSIFICATION OF THE INVERTEBRATES (4) [5]. Prerequisite, Zoology 41 and 42.

Four lecture and eight laboratory hours a week, November-December term. Ten laboratory hours a week, winter and spring quarters. Laboratory fee, $5.00 a term or quarter. Mr. Beers.

109. INTRODUCTION TO HYDROBIOLOGY (–) [5]. Prerequisite, Zoology 41 and 42.

Ten laboratory hours a week, spring quarter. Laboratory fee, $5.00. Mr. Coker.

110. GENERAL PARASITOLOGY (–) [5]. Prerequisite, Zoology 41 and 42.

Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $5.00. Mr. Costello.

111. GENETICS (–) [5]. Prerequisites, Zoology 41 and 42 or equivalent.

Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, $5.00. Mr. Whittinghill.

112. VERTEBRATE FIELD ZOOLOGY (–) [5]. Prerequisite, Zoology 41 and 42.

Ten laboratory hours a week, spring quarter. Laboratory fee, $5.00. Mr. Engels.

Courses for Graduates

209-210-211. EXPERIMENTAL EMBRYOLOGY (4) [5].
Four lecture and eight laboratory hours a week, November-December term. Ten laboratory and seminar hours a week, winter and spring quarters. Laboratory fee, $5.00 a term or quarter. Mr. Costello.

212. HYDROBIOLOGY (–) [5]. Prerequisite, Zoology 109.
Ten laboratory hours a week, spring quarter. Laboratory fee, $5.00. Mr. Coker.

316. RESEARCH (3) [5 or more].
Twelve laboratory hours a week, November-December term; ten or more laboratory hours a week, winter and spring quarters. Laboratory fee, $5.00 a term or quarter. Messrs. Coker, Beers, Costello, Engels, Kitchin, Whittinghill, Villee, Jones.

PART FIVE—EXTENSION DIVISION AND THE GRADUATE AND PROFESSIONAL SCHOOLS

THE UNIVERSITY EXTENSION DIVISION

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President*
Robert Burton House, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
Russell Marvin Grumman, B.H., *Director*
Charles Fremont Milner, A.M. in Educ., *Associate Director*
Earl Wynn, M.S., *Director, The Communication Center*
*Edgar Ralph Rankin, A.M., *Head, Department of School Relations*
William John McKee, C.E., Ph.D., *Supervisor of Correspondence Instruction*

†THE ADMINISTRATIVE BOARD

Howard Washington Odum, Ph.D., LL.D., Litt.D., L.H.D.
William Whatley Pierson, Ph.D., Litt.D.
Herman Glenn Baity, Sc.D.
William John McKee, C.E., Ph.D.
Dudley deWitt Carroll, M.A.
Will Carson Ryan, Ph.D.
Wesley Critz George, Ph.D.
Allan Wilson Hobbs, Ph.D.
Samuel Huntington Hobbs, Jr., Ph.D.

HEADS OF BUREAUS

Mary Louisa Cobb, A.B., *Correspondence Instruction*
Glenn Haydon, Ph.D., *Community Music*
Samuel Huntington Hobbs, Jr., Ph.D., *Economic and Social Surveys*
Samuel Selden, A.B., *Community Drama*
Harold Diedrich Meyer, A.M., LL.D., *Recreation*
Charles Fremont Milner, A.M. in Educ., *Visual Education*
Guy Berryman Phillips, M.A., *Educational Information and Assistance*
John Volney Allcott, M.A., *Art Extension*
Charles Eugene McIntosh, A.M., *High School Debating and Athletics*
Jane E. Grills, M.A., *Radio*
Earl Horace Hartsell, Ph.D., *English Extension*
Harry deMerle Wolf, Ph.D., *Institute of Industrial Relations*

* Absent on leave in service.
† The Chancellor, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

GENERAL STATEMENT

By means of correspondence instruction, extension classes, public forums, radio programs, extension library service, reading courses, community dramatics, interscholastic activities, audio-visual aids, and a variety of publications, the University of North Carolina, through the Extension Division, is relating itself closely with the life of North Carolina. The University campus is now virtually conterminous with the boundaries of the commonwealth.

Starting as a Bureau of Extension in 1912 under the leadership of Dr. L. R. Wilson, former University Librarian, the idea of University extension was clarified and expanded under the administration of the late President Edward Kidder Graham. In 1921, in conformity with standards established by the National University Extension Association, the work was organized as a major division of the University by President Harry W. Chase.

In his inaugural address, November, 1931, President Frank Porter Graham defined the purposes of university extension thus: "It is the function of the state university not only to find its bits of truth and teach the truth gathered from scholars everywhere, but to carry the truth to the people that they may take it into their lives and help to make it prevail in the world of affairs. It is the ideal of the University Extension Division to make the resources of the universities, the discoveries of science, and the findings of the social scientists available for the people of the commonwealth."

The Extension Division is the administrative agency through which are conducted the extension activities of all the University's departments. Within recent years, moreover, the Division has developed a specialized program of adult general and professional education unrelated to the work of the resident departments. Other educational services are being offered men and women whose formal schooling has ended, but who still desire to continue their education regardless of higher academic awards. In meeting the demands of this group, the future of the University Extension Division as an agency for adult education holds the greatest promise of development.

Separate catalogues and announcements of the various services are published by the University Extension Division, including Correspondence Instruction, Audio-Visual Aids, the English Teacher, etc.

THE GRADUATE SCHOOL

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President*
Robert Burton House, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
William Whatley Pierson, Ph.D., Litt.D., *Dean*
Arnold Kimsey King, A.M., *Associate Dean*

*THE ADMINISTRATIVE BOARD

William deBerniere MacNider, M.D., Sc.D., LL.D.
William Morton Dey, Ph.D.
Edgar Wallace Knight, Ph.D.
John Brooks Woosley, Ph.D.
Berthold Louis Ullman, Ph.D.
Rupert Bayless Vance, Ph.D., LL.D.
George Coffin Taylor, Ph.D., Litt.D.
Ralph Walton Bost, Ph.D.
Fletcher Melvin Green, Ph.D.
John Nathaniel Couch, Ph.D.

GENERAL STATEMENT

The Graduate School finds its province in the fostering of research, in training students to become investigators and teachers in special fields of learning, in the application of research methods to the problems of society, government, and industry, and in supplying opportunity for further and advanced study by those who have already completed a college course. The University of North Carolina has been interested in research for more than a century, and has made contributions in science, the social sciences, and the languages. Through its research clubs and learned journals, as well as through publications and other contributions to learning made by members of its faculty, the University has acquired the authority to give advanced instruction. For this it is competent both from the standpoint of the personnel of its faculty and in material equipment in libraries and laboratories.

Instruction leading to the Master's degree was offered at this institution prior to the American Civil War, and such higher degrees were granted in course. Formal action with high standards in requirements was taken in 1876 to establish a system of graduate, as distinct from undergraduate, instruction. The first Doctor's degree was awarded in 1883. A Graduate Bulletin, issued in 1885, showed that nearly all departments offered advanced courses. The number of students during those years was small, but the work accomplished in both the humanities and the sciences was of distinguished quality. Given distinct status

* The Chancellor, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

in 1903 and the leadership of a Dean, the Graduate School has experienced steady, and since 1920, rapid growth.

The institution is a member of the Association of American Universities; the Graduate School annually publishes a bulletin, entitled *Research in Progress,* which records analytically the scholarly contributions of the faculty and graduate students; the School operates an Appointments Bureau, which supplies facilities for placement.

Work for advanced degrees is under the supervision of the Graduate Faculty. Under authority delegated by the Graduate Faculty, the immediate direction of the Graduate School is in charge of an Administrative Board, of which the Dean is chairman. Special requirements and regulations made by this board are outlined in the Catalogue of the Graduate School, which is published annually and is recognized as the official publication of the Graduate School.

CURRICULA AND DEGREES

The degrees under the supervision of the Graduate Faculty are the Master of Arts (A.M.), Master of Science (S.M.), and Doctor of Philosophy. Degrees of Master of Arts or Master of Science are offered in the fields of Anatomy, Art, Bacteriology and Immunology, Biological Chemistry, Botany, Chemistry, Classics, Comparative Literature, Dramatic Art, Economics and Commerce, Education and Physical Education, English, Geology and Geography, Germanic Languages, History, Mathematics, Music, Pharmacology, Pharmacy, Philosophy, Physics, Physiology, Political Science, Psychology, Romance Languages, Social Work, Sociology and Rural Sociology, and Zoology, and in the special Curricula in Comparative Linguistics, Folklore, and Personnel Administration. The degree of Doctor of Philosophy is offered in the fields of Anatomy, Biological Chemistry, Botany, Chemistry, Classics, Comparative Literature, Economics and Commerce, Education, English, Geology and Geography, Germanic Languages, History, Mathematics, Music, Philosophy, Physics, Physiology, Political Science, Psychology, Romance Languages, Social Work, Sociology, and Zoology, and in the Curricula in Comparative Linguistics and Folklore. Minor programs for the doctorate may be obtained in the Curricula in Folklore and Personnel Administration. The Ph.D. is also offered in Public Health.

Professional graduate degrees are offered in Education (M.A. in Education), Public Health (Master of Public Health, Master of Science in Public Health, Master of Science in Sanitary Engineering, Master of Science in Public Health Nursing, and Doctor of Public Health), and in Social Work (Master of Science in Social Work).

THE SCHOOL OF LAW

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President*
ROBERT BURTON HOUSE, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
ROBERT HASLEY WETTACH, A.M., LL.B., S.J.D., *Dean*

*THE ADMINISTRATIVE BOARD

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DUDLEY DEWITT CARROLL, M.A.
ALLAN WILSON HOBBS, Ph.D.
MAURICE TAYLOR VANHECKE, Ph.B., J.D.

GENERAL STATEMENT

The School of Law, now in its one hundred and second year and with a regular faculty of nine, offers a three-year course leading toward the degrees of LL.B. and J.D. It is on the approved list of the North Carolina and New York Boards of Law Examiners, and of the American Bar Association. It is a member of the Association of American Law Schools, and is one of thirty of the leading law schools of the country in which a chapter of the honorary society of the Order of the Coif has been established.

While greater emphasis is placed upon North Carolina decisions and statutes than upon those of the other states, the legal doctrines are studied as a part of the Anglo-American common-law system. Thus the school prepares its students for practice in North Carolina and in every other State in the Union.

Candidates for admission to the School of Law must have completed with a C average three years of a regular college curriculum leading to a standard degree. If this work has followed the *special* program offered by the College of Arts and Sciences or by the School of Commerce of this University, the student may receive the Bachelor's degree in Arts or in Commerce, as the case may be, upon the satisfactory completion of the first year in law. Applications for admission as regular students must be approved by the Registrar of the University.

Exceptions to the above admission requirements:

(1) Veterans with superior records may be admitted in the discretion of the faculty after completion of at least two years of regular college work.

(2) A limited number of special students, not candidates for the degree in law, may be admitted.

* The Chancellor, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

The School of Law is located in Manning Hall. The Law Library, in charge of two trained law librarians and a staff of assistants, now numbers approximately 52,000 volumes.

The curriculum covers a period of three annual sessions, but this time may be shortened by attendance during summer sessions.

The students of the School of Law are regularly enrolled in the University, enjoy all the privileges of University students, and are amenable to all general University regulations and to the special regulations of the School.

The summer session of the School of Law offers opportunities for students to supplement the work of the regular year by additional courses, some of which are not otherwise available, or to shorten the period of study for the law degree. A full curriculum is provided for advanced students. The summer faculty normally includes as visiting professors a number of distinguished law teachers from other universities.

Opportunities for individual work are afforded to especially qualified students through membership upon the student editorial staff of the *North Carolina Law Review,* as faculty research assistants, and as library assistants.

For further information, please write to the Dean of the School of Law for the separate bulletin of that school.

THE SCHOOL OF MEDICINE

Frank Porter Graham, M.A, LL.D., D.C.L., D.Litt., *President*
Robert Burton House, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
Walter Reece Berryhill, A.B., M.D., *Dean*

*THE ADMINISTRATIVE BOARD

William deBerniere MacNider, M.D., Sc.D., LL.D.
James Bell Bullitt, A.M., M.D.
Wesley Critz George, Ph.D.
Walter Reece Berryhill, A.B., M.D.
Daniel Allan McPherson, Ph.D.
Herman Glenn Baity, S.B. in C.E., Sc.D.
John Howard Ferguson, M.A., M.D.
James Clarence Andrews, Ph.D.
Robert Ervin Coker, Ph.D.
English Bagby, Ph.D.

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Walter Reece Berryhill, A.B., M.D.
†Agnes Dolvin, A.B., B.S., *Librarian*
Annie Pickard, A.B., *Acting Librarian*

GENERAL STATEMENT

The School of Medicine was established in 1879 under the direction of Dr. Thomas W. Harris. A course in theoretical and practical medicine was offered under the preceptorial system, but the plan was found impracticable and was abandoned in 1886. In 1890, a more orderly and logical arrangement of the subjects in the medical course having developed, it became possible for an institution without clinical facilities to offer instruction in the pre-clinical subjects, and the school was reopened with Dr. Richard H. Whitehead as Dean and Professor of Anatomy. Under his guidance it soon won recognition for thorough-

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† Absent on leave in service.

ness of instruction and excellence in scholarship and has since continued without interruption to its growth. At first the course covered only one year, but in 1896, the medical course having been extended in the better class of schools to four years, a two-year course was inaugurated. In 1900 the School of Medicine was incorporated as an integral part of the University and was reorganized to meet the requirements of the first two years of the full four-year course leading to the degree of Doctor of Medicine. In 1902 it was expanded into a four-year school, and the clinical subjects of the third and fourth years were offered in Raleigh under the direction of Dr. Hubert A. Royster as Dean. After a few years of successful operation, this plan had to be abandoned for lack of financial support, and the clinical years were discontinued.

The School has been a member of the Association of American Medical Colleges since 1908, and is on the approved list of schools of basic medical sciences as published by the Council on Medical Education and Hospitals of the American Medical Association.

The curriculum is similar to that in the first two years of the better four-year medical schools in the country. It covers all the pre-clinical or laboratory subjects of the four-year course in Medicine, as well as introductory clinical courses in the last two quarters of the second year. These courses in Medicine, Physical Diagnosis, Clinical Pathology, and Obstetrics serve to lessen the abruptness of the change from the laboratory to the hospital.

The School has an arrangement with Watts Hospital in Durham whereby the ward and dispensary patients are available for teaching purposes in the clinical courses. The clinical material at the State Hospital in Raleigh, the State Tubercular Sanatorium at Sanatorium, and the patients in the Orange County Health Clinic are available for teaching purposes.

Students who have successfully completed the two-year course in this school are given full credit for all of their work and are transferred into the third year of American medical colleges of the highest rank, from which they receive the degree of Doctor of Medicine. During the past ten years students who have completed their two years in this school have been transferred to thirty different four-year medical colleges from McGill in the North to Tulane in the South, and from Cornell in the East to the University of California in the West.

Approximately twenty-five per cent of the physicians now in active practice in North Carolina received the first two years of their medical training here.

PREPARATION FOR MEDICINE AND REQUIREMENTS

Students preparing for the study of medicine should spend as much time securing a well-rounded cultural education as their age and financial resources permit. If possible they should complete the regular four-year course leading to the A.B. or S.B. degree. If this is impracticable they may take the special course leading to the S.B. in Medicine, or they may take three years of academic work without the bachelor's degree in view, but with careful regard to meeting the specific requirements for admission to the School of Medicine. This last method of preparation is not recommended.

No student will be admitted with less than three years of accredited college work (96 semester hours), which must include a *minimum* of twelve semester hours in chemistry (including four semester hours of organic chemistry), eight semester hours in biology (at least four semester hours being in zoology), eight semester hours in physics (which must have required trigonometry as prerequisite), six semester hours in English, and six semester hours in a modern foreign language beyond the amount required in the language chosen for admission to the University. An elementary course in volumetric analysis is desirable. In case of an exceptionally well qualified applicant the prerequisite of work in trigonometry for physics may be waived.

Rarely are students admitted who have completed only the minimal requirements unless their academic records are of such outstanding excellence as to warrant their acceptance. It is especially advised that all students present more work in chemistry and zoology than the minimal requirements outlined above.

Because of the widening social and economic interests of the medical profession, students preparing to enter it should take in addition to the requirements in the sciences as many courses as possible in history, literature, economics, philosophy, and psychology.

There is not sufficient space in the medical schools to admit all students who meet the quantitative standards. For this reason, and because it requires more than average intelligence and aptitude to complete satisfactorily the medical curriculum, the quality of the student's undergraduate work is of the greatest importance. All students interested in the study of medicine should attempt to stand in the upper third of their academic classes.

While a high grade of scholarship is probably the best criterion for predicting achievement in medical school, the personal qualifications of applicants are of the highest importance.

Moral character is the most important prerequisite for entering the medical profession. No school wishes to train prospective physicians who lack either ethical standards or a sense of social responsibility.

All admissions are decided by the Dean of the School of Medicine and a special committee on admissions after approval of credentials by the Dean of Admissions. The maximal number admitted to the first year class is forty-five. The Dean and special committee reserve the right to select from the entire list of approved applicants those who in their judgment are best qualified for the study of medicine.

Candidates for admission to the second year of the medical curriculum must present certificates from an accredited medical school stating that they have had the required fifteen units, at least three years of college work as indicated above, and have completed the subjects of the first year of the medical course as outlined.

THE MEDICAL CURRICULUM

The medical curriculum covers two years divided into six periods, or quarters, of approximately equal length. It is organized into six departments: Anatomy, Bacteriology and Immunology, Biological Chemistry and Nutrition, Pathology, Pharmacology, and Physiology, with additional courses in Medicine, Physical Diagnosis, Principles of Surgery, and Obstetrics, and an affiliated School of Public Health. For description of the courses and other details see Special Catalogue for the Medical School.

THE SCHOOL OF PHARMACY

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President*
Robert Burton House, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
*John Grover Beard, Ph.G., Ph.M., *Dean*
Marion Lee Jacobs, Ph.D., *Assistant Dean*

†THE ADMINISTRATIVE BOARD

Dudley deWitt Carroll, M.A.
Henry Roland Totten, Ph.D.
Walter Reece Berryhill, A.B., M.D.
Ira Winfield Rose, Ph.G.
Henry Matthew Burlage, Ph.D.
Marion Lee Jacobs, Ph.D.
Ralph Walton Bost, Ph.D.

GENERAL STATEMENT

In 1880 Dr. Thomas W. Harris was instrumental in establishing a School of Pharmacy at the University in connection with the School of Medicine. The school was continued until the resignation of Doctor Harris in 1886, when it was abandoned. In 1890 the school was revived by Dr. Richard H. Whitehead, but again its career was short. Finally, in March, 1897, in response to urgent requests made by the North Carolina Pharmaceutical Association, the present school was established and Edward Vernon Howell was appointed Professor of Pharmacy and Dean.

The School in 1925 obtained exclusive use of its present building (Howell Hall of Pharmacy). This building contains 35 rooms, 22,000 sq. ft. of floor space, and is located in the northeast section of the campus, adjacent to the Arboretum, the Medicinal Plant Gardens, and the Botany Building (Davie Hall).

The minimal offerings of the School are based on four years of study which lead to the degree of Bachelor of Science in Pharmacy (S.B. in Phar.).

The School was admitted to membership in the American Association of Colleges of Pharmacy in 1917. This organization was formed for the promotion of thorough scientific work in the profession of pharmacy. It maintains high standards for membership based on the number and training of the faculty, thoroughness of work offered, the quality of the curriculum, the number of students, the financial support of the school, and the facilities for carrying on the work.

The School is accredited fully by the American Council on Pharmaceutical Education. The University of the State of New

* Died April 1, 1946.
† The Chancellor, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

York credits fully four years' work here as evidence of due preparation for the examinations of the licensing board of that state. The same sort of credit is now extended by all other state examining boards.

Between June, 1943 and June, 1945 the School of Pharmacy, in line with practice in other comparable institutions, accelerated its course of study and offered instruction during the summer months in order that the successful pursuit of the curriculum could be completed in three calendar years. After two years of trial this plan was abandoned here and at better schools generally, since continuous study imposes too great a strain both on teachers and on the taught.

Properly qualified applicants of either sex may be admitted, provided they meet the requirements for entrance. Their credentials are first submitted to the Director of Admissions of the University. Beginning students are accepted in September only. Transfer students are accepted in the quarter best suited to their future program of study.

Because of the rapidly expanding size of its student body the School of Pharmacy finds itself compelled, through lack of adequate space, equipment, faculty, and other facilities, to limit its acceptance of beginning and transfer students to a smaller number, for this coming year at least. A committee of three will be charged with the responsibility of selecting that number of eligible candidates who will be accepted. Applications of eligible persons should be made as early as possible.

The School of Pharmacy recognizes that its graduates may elect to pursue one or another of three related but definitely different forms of pharmaceutical practice. They may become prescriptionists in or owners of retail drug stores; they may elect to enter the field of medicinal manufacture; or they may decide to establish technical laboratories or enter the U. S. Public Health Service. Each different form of effort requires a specialized type of training and the School has attempted to provide such specialization.

By action of the Administrative Board of the School of Pharmacy the Dean of the School is authorized to allow substitutions of certain academic subjects for certain prescribed pharmaceutical courses in the cases of "rising" fourth year students who in his opinion have made such records as to warrant their acceptance after graduation into standard medical schools.

The School of Pharmacy urges superior students who are desirous of securing the benefits of thorough specialized training and intensive research work to pursue an additional year in the Graduate School, where a course of training leading to the degree

of Master of Science (S.M. in Phar.) is offered. The three majors available are Materia Medica and Pharmacognosy, Pharmaceutical Chemistry, and Pharmacy.

A student who has completed one or more years of accredited work in a recognized school of pharmacy and submits satisfactory evidence of having completed the entrance requirements and courses equivalent to those prescribed in the curriculum required for the degree of S.B. in Pharmacy, may be admitted with advanced standing and proceed for this degree. The minimum requirement of residence for a degree is a period of three quarters within the period of twelve months. A full year's work comprising at least forty-five quarter hours must be completed by a transferring student. Beginning January 1, 1938, the American Association of Colleges of Pharmacy has required of its member colleges that students transferring from a non-pharmaceutical college must spend a minimum of three years in a standard college of pharmacy in order to be graduated with a degree of S.B. in Pharmacy.

For further information, please write to the Dean of the School of Pharmacy for the special catalogue of that school.

THE SCHOOL OF LIBRARY SCIENCE

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President*
Robert Burton House, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
Charles E. Rush, A.B., M.A., B.L.S., *Chairman, Administrative Board, Division of Library and Library School*
Susan Grey Akers, Ph.D., *Dean*

*THE ADMINISTRATIVE BOARD DIVISION OF LIBRARY AND LIBRARY SCHOOL

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Albert Ray Newsome, Ph.D.
William Whatley Pierson, Ph.D., Litt.D.
Berthold Louis Ullman, Ph.D.
Robert Hasley Wettach, A.M., LL.B., S.J.D.
John Brooks Woosley, Ph.D.

GENERAL STATEMENT

The School of Library Science opened in September, 1931, as a unit of the University of North Carolina. Made possible by a grant from the Carnegie Corporation, it is the culmination of a series of library science courses offered in the summer and regular terms since 1904. The School is accredited by the American Library Association and the Southern Association of Colleges and Secondary Schools.

The curricula of the School offer a basic course preparing the student for beginning positions in any type of library. A limited amount of specialization is available after the first quarter, depending upon the student's interests and qualifications.

Quarters for the School, comprising laboratory and classrooms for the students and offices for the faculty, are in the University Library.

The town school system maintains a high school library and an elementary school library available for observation. Within driving distance of from thirty minutes to two hours are the city and public library systems of Durham, Raleigh, and Greensboro and the libraries of Duke University, the State Library, the Library Commission headquarters, the North Carolina State Col-

* The Chancellor, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

lege of Agriculture and Engineering, and the Woman's College of the University of North Carolina.

The principal requirement for admission is a bachelor's degree from an accredited college or university.

Applicants are expected to have received a grade of B (=90 per cent or better) in at least fifty per cent of their undergraduate work. An applicant's college degree may not be approved if his course included an undue proportion of vocational or professional subjects such as library science, education, home economics, or agriculture. For certain library positions thorough training in one of these or in some other field is essential but it should be in addition to rather than as part of his undergraduate preparation.

Students must have reasonable ability in typewriting before admission to the School.

Those over thirty-five years of age are advised not to apply for admission to the School unless they have been continuously engaged in library work or in some similar pursuit.

Applicants must show evidence of ability to do library work and must have had a well-balanced selection of courses leading to the required bachelor's degree. A reading knowledge of modern languages is essential to satisfactory work in many types of libraries and very desirable in others. Latin is important as a basis for other languages. The class will be chosen on a basis of individual promise of success.

It is required that applicants be interviewed by a member of the faculty of the School or a librarian designated by the School.

For definite recommendations on the content of the preparatory work see the special catalogue of the School of Library Science.

Applicants should plan their entrance into the School at the beginning of the fall quarter or summer session. Many courses have prerequisite work which cannot be taken unless the curriculum is begun at one of these times.

Certain courses are open to advanced undergraduates in the College of Arts and Sciences. They are listed under Department of Library Science in this catalogue at page 141.

On the completion of a curriculum in the School of Library Science, the University will grant the degree of Bachelor of Science in Library Science.

Nine courses must be satisfactorily completed in residence in the University of North Carolina for a degree in Library Science. Students who are admitted with advanced standing in library science must complete in the School or in another

division of this institution an equivalent number of courses approved by the Dean.

The residence requirement for a degree is three academic quarters. This requirement must be completd within five years.

The School of Library Science cannot guarantee to find positions for its graduates. With their cooperation, however, suitable records are maintained in order to enable them to secure desirable positions through the School and every effort is made to bring graduates and library employers together.

The courses of the regular session are repeated in the summer session. The same requirements apply as in the regular session.

Application for admission to the School for either the regular session or the summer session should be made as far as possible in advance of the session to be attended. Application should be made on forms which are secured from the *Dean, School of Library Science, The University of North Carolina, Chapel Hill, N. C.*

For detailed information see the special catalogue of the School.

THE SCHOOL OF PUBLIC HEALTH

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President*
Robert Burton House, A.M., LL.D., *Chancellor and Vice-President of the University of North Carolina*
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*Milton Joseph Rosenau, A.M., M.D., *Dean, School of Public Health*
Herman Glenn Baity, Sc.D., *Acting Dean*
Ruby Ross, *Administrative Secretary*

†ADMINISTRATIVE BOARD

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Carl V. Reynolds, M.D., *State Health Officer, N. C. State Board of Health*
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Howard Washington Odum, Ph.D., LL.D., Litt.D., L.H.D., *Kenan Professor of Sociology*
Winfield Kennedy Sharp, Jr., M.D. *Surgeon, U. S. Public Health Service*
John Brooks Woosley, Ph.D., *Professor of Economics*
Will Carson Ryan, Ph.D., LL.D., *Kenan Professor of Education.*

GENERAL STATEMENT

In 1936 a Division of Public Health was established and a Director appointed. The University of North Carolina, at Chapel Hill, was then designated by the United States Public Health Service as the center for training of health officials for the Interstate Sanitary District No. 2 (extending from Delaware to Florida), to carry out the provisions of the Social Security Act for the training of public health personnel.

The Division of Public Health was given the status of a School of Public Health in 1939 and graduate degrees offered.

* Died April 9, 1946.
† The Chancellor, the Registrar, and the Dean of Students are *ex officio* members of this board.

A department of Public Health Nursing was organized in 1941. In September of 1942, a Department of Health Education was established.

The School of Public Health enjoys the active cooperation of the State Department of Health at Raleigh. Members of the staff give exercises in their special fields and the students have the opportunity to see the practice and study the methods and material of an efficient State Health organization at first hand.

Cooperation is also maintained with Duke University and its Hospital, as well as with Watts Hospital, in Durham. Furthermore, the school enjoys the cooperation of the local health officers at Durham and Chapel Hill who, through lectures and practical demonstrations, give the student an opportunity to see the health work of a city and county government, where, as well as at Raleigh, opportunity is offered for special study and investigation of health problems.

Similarly, cooperation is maintained with the United States Public Health Service, the Children's Bureau, and other Federal health agencies, members of which participate through lectures and discussions.

For County and City Health work, field demonstration units have been established in fourteen City, County and District Health Departments in North Carolina and nine other States in the Southeastern region.

Students are enrolled in the University of North Carolina and enjoy all the rights and privileges of the graduate student body. They may take courses in other departments of the University provided they are properly qualified and have the approval of the Administration. Certain courses in economics, political science, sociology, social work, education, public speaking, and statistics are regarded as having an especially close relationship to public health.

The Administration reserves the right to refuse admission to any student who, in its judgment, is not qualified to profit by work in the Graduate School, to limit the number of students admitted to any course, and to drop from the roll any student whose work it deems unsatisfactory for any reason. All applicants for admission will be assumed to have assented to these conditions.

The School of Public Health is in the same building with the School of Medicine, with which it maintains close cooperation. Academically, it clears through the Graduate School and those interested are advised to consult the Graduate School Catalogue.

Graduate degrees offered by the School of Public Health are administered by the Graduate School of the University of

North Carolina. These degrees are: Master of Public Health (M.P.H.), Doctor of Public Health (Dr.P.H.), Master of Science (with designation) (M.S.), Doctor of Philosophy (with designation) (Ph.D.).

All requirements concerning these degrees are administered by the faculty of the School of Public Health with the approval of the Administrative Board of the Graduate School.

The Certificate in Public Health (C.P.H.) and Certificate in Public Health Nursing (C.P.H.N.) are not considered graduate degrees and are, therefore, administered by the faculty of the School of Public Health.

An undergraduate degree, Bachelor of Science in Public Health Nursing, is awarded graduate nurses who comply with all requirements of the Public Health Nursing course and who have had the required years and courses in college. In addition there is a four-year program leading to the degree of Bachelor of Science in Public Health, administered by the College of Arts and Sciences.

For more detailed information and proposed curricula leading to degrees see the special catalogue of the School of Public Health.

PART SIX

COMMENCEMENTS AND CONVOCATIONS
AUGUST 1944 - APRIL 1946

DEGREES CONFERRED

CHART SHOWING REGISTRATION

INDEX

GRADUATION EXERCISES

MARKING THE CONCLUSION OF THE SUMMER SCHOOL

TERMS OF JUNE 12-AUGUST 29, 1944

FOREST THEATRE, WEDNESDAY, AUGUST 30, 1944

7:15 P.M. Degree Candidates gather for Academic Procession

7:30 P.M. Processional—University Brass Quartet

Presiding—Guy B. Phillips, Director of Summer Session

Representing Graduates of August 1944—
Harvey White, President, of Birmingham, Alabama

The Star-Spangled Banner

Invocation—Dr. Lee McBride White, Birmingham, Alabama

Commencement Address—
Honorable Josephus Daniels

Award of Degrees in Course

Hark the Sound of Tar Heel Voices

Benediction

DEGREES IN COURSE

BACHELORS OF ARTS

Ira A. Abrahamson, Jr.
Walter Carlyle Barnes, Jr.
Ann Stetson Bauer
Muriel Blank
Fay Dodsworth Beeks
Mary Sue Brubaker
Sadia Jones Burwell
Nancy Catherine Caldwell
Mary Burns Caudill
Sara Ethel Colquitt
*Junius Weeks Davis, Jr.
Barbara Epps
Evan Ira Farber
†Jerome Charles Goldfarb
Nell White Hill
Ruth Hollowell
Anne Gayle Ingram
Elizabeth Isabel Jardine
Rosa Lee Jones Jay
Mildred Grace Kinnory
Daisy Manning Lawrence
Joseph J. Lehman
Betty Jean MaJette
Margie Pola Martorell
Lillian Irene McCain
Eleanor Williams McNeill
Eleanor Rookh McWane
Elaine Mendes
Gene Randolph Morris
George Joseph Nassef
James Frederick Newsome
Anne Mallard Osterhout
‡Margaret Morris Parker
Theodore Hall Partrick
Estelle Gilmore Penn
Leah Rose Richter
Anne Lucile Rife
Laurence Matthew Rivkin
Eser Paul Rustin
Geanie Elizabeth Sasser
Lois Allen Simmons
Robert Griggs Simmons
Roy Richard Singer
Rita Mae Smith
Nancy Elizabeth Stern
Annie Margaret Towell
Sarah Frances Tucker
*James Wilson Walker
Frances Arnold Walters
Harvey O'Neal White
Ida Hall White
Ruth Carol Yelverton

BACHELOR OF ARTS IN EDUCATION

Thomas Mayo Grimes

BACHELORS OF ARTS IN JOURNALISM

†David Coleman Bailey
Sidney Stuart Bost
Marion Chadwick Frink
Barbara Christopher Swift

BACHELOR OF SCIENCE IN CHEMISTRY

Jack Buening Ford

BACHELOR OF SCIENCE IN MEDICINE

Robert Kay Quinnell

BACHELORS OF SCIENCE IN MEDICAL TECHNOLOGY

Helen Francis DeBusk
Shirley Edith Dunn
Frances Elizabeth Erwin

BACHELOR OF SCIENCE IN PHYSICS

John Sutton Barlow

BACHELOR OF SCIENCE IN PUBLIC HEALTH

Rodrigo Vargas

* As of June, 1944
† As of June, 1943
‡ As of March, 1944

BACHELOR OF SCIENCE IN PUBLIC HEALTH NURSING

Edith Perryman Brocker

BACHELORS OF SCIENCE IN COMMERCE

Clarice Olive Armbruster
Marjorie Elaine Henderson
John Wallace Hoffman
Elise Whitner Hutchison

BACHELOR OF LAWS

John Franklin Shuford

BACHELORS OF SCIENCE IN LIBRARY SCIENCE

Georgia Mae Crews
Nannie Alice Crowder
Helen Culler Murray
Mary Ella Williams Osman
Elizabeth Colvin Stoney
Lois Marie Waller

PROFESSIONAL GRADUATE DEGREES

MASTERS OF EDUCATION

Palmer McCullough Dulin
Leona Grace Newton

MASTERS OF SCIENCE IN PUBLIC HEALTH

Mario Gomes Pereira de Andrade
Wilma Dean Henry
Mabel Mildred Hill
Mary Jo Kraft
Nell McKeever
Renan Mendez
Cleta C. Null
Ruth Sumner
Hannah Marie Turnage
Florence Elizabeth Williams

GRADUATE DEGREES

MASTERS OF SCIENCE

Maxine Erma Dark
Lawrence Feldman
Sadie Moore Hamrick
Irving Resnick

MASTER OF SCIENCE IN SOCIAL WORK

Caroline Blue

MASTERS OF ARTS IN EDUCATION

Mary Cadelle Able
Joshua Corbett Colley
John Donivon Hales, Jr.
Homer C. Hawn
Allison William Honeycutt
Ruth Albertine Lee
Flossie Martin
Mavis Mitchell
Rex Mitchell
Gwendolyn Smith Morgan
Carrie Lee Phillips

MASTERS OF ARTS

Eva Katherine Beach
Sarah Fore Bell
Guillermo Brown Guerra
Iantha Osborne Byrd
Nancy Lillian Clark
William Stokes Connor, Jr.
Margaret Virginia Cubine
Lucile Lytton Culbert
Francis McIlwaine Degges
Joe Summers Floyd, Jr.
Alice Bowie Haskin
Louise Paschal Jarratt
Grace Greene Lilly
Margery O'Kelley
Helen Shedd Sherwin
Irwin Stoner
Edith Cavell Walker
Erika Weigand
Martha Randolph Westrope
Frances Pittman Woodard

DOCTORS OF PHILOSOPHY

LOWREY AVEN BASS, *Chemistry*

Thesis: Reactions of Polyhydroxybenzophenones with Metal Ions.

WILLIAM EUGENE CORNATZER, *Biological Chemistry*

Thesis: Physiological Studies on the Metabolism and Absorption of Quinine.

PAUL SHAFER SIEGEL, *Psychology*

Thesis: An Experimental Examination of Hull's Conceptual Treatment of Simple Trial-and-Error Learning.

CAROLINE TAYLOR, *Psychology*

Thesis: An Experimental Investigation of Improving Defective Color Perception.

JAMES LESTER TAYLOR, *Chemistry*

Thesis: The Isolation and Identification of Tannins Present in Domestic Dwarf Sumac (Rhus copallina L.).

ARTHUR DE TALMA VALK, JR., *Biological Chemistry*

Thesis: Studies in the Metabolism of Quinine.

VINCENT HEATH WHITNEY, *Sociology*

Thesis: The Pattern of Village Life: A Study of Southern Piedmont Villages in Terms of Population, Structure, and Role.

GRADUATION EXERCISES
SCHOOL OF PHARMACY

The University of North Carolina
Sunday, December 17, 1944
HILL MUSIC HALL
3:00 P. M.
CHAPEL HILL, NORTH CAROLINA

PROGRAM

11:00 A.M.—Graduates will attend the service at the Baptist Church.

GRADUATING EXERCISES
HILL MUSIC HALL
3:00 P. M.
DEAN R. B. HOUSE, *presiding*

Organ Prelude
National Anthem
Invocation, by Rev. Kelley Barnett
A Word to Graduates, by President Frank P. Graham
Awarding of Degrees, by President Graham
Benediction, by Rev. Mr. Barnett
Reception to Graduates and Their Friends at Graham Memorial, 4 P.M.
Sponsored by Rho Chi, Honorary Pharmaceutical Fraternity

The following degrees awarded in absentia:

BACHELOR OF ARTS

*Irving Ribner

* As of June 5, 1944.

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

Margaret Grimmer Strickland

BACHELOR OF SCIENCE IN PUBLIC HEALTH NURSING

Margaret Baggett Dolan
Mary Frances Luvisi
Sadie Jean Newman

BACHELOR OF SCIENCE IN COMMERCE

Eupha Odis Brogden, Jr.

Candidates Presented by Dean J. Grover Beard

BACHELORS OF SCIENCE IN PHARMACY

Charles Herman Beddingfield, Jr.
Samuel Norman Black
Harvey Ray Brooks
Jessie Frances Cole
Hubert Gordon Dameron
Augustus Green Elliott, Jr.
Rudolph Warren Hardy
Gerald Dean Hege
Lucy Lee Kennedy
Edward Hines Knight
Douglas O'Brien Langston
Ruth Helen Patterson
Evelyn Earle Salter
Laurel Lee Williams

ANNOUNCEMENTS

MEDALS, PRIZES AND AWARDS

THE BUXTON WILLIAMS HUNTER MEDAL IN PHARMACY ..... *Rudolph Warren Hardy*

THE LEHN AND FINK GOLD MEDAL IN PHARMACY..... *Laurel Lee Williams*

GRADUATION EXERCISES

MARKING THE CONCLUSION OF THE NOVEMBER-FEBRUARY TERM, 1944-45

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

HILL HALL 3:00 P.M., SATURDAY, FEBRUARY 24, 1945

3:00 P.M.—Candidates for diplomas, certificates and commissions form academic procession

3:30 P.M.—GRADUATION EXERCISES
Presiding—Robert Burton House, Chancellor

The Star-Spangled Banner

Invocation—Lt. George W. Cummins, USNR
Chaplain, U. S. Navy Pre-Flight School, Chapel Hill

Commencement Address—Rear Admiral Osborne Bennett Hardison, USN

Response—Charles William Hackney, Jr.
President of Senior Class

Conferring of Degrees in Course

Award of Certificates
(Diplomas and Certificates awarded by Governor R. Gregg Cherry)

Greetings—The Honorable R. Gregg Cherry
Governor of North Carolina and Chairman of Board of Trustees, University of North Carolina

Presentation of Commissions to Members of Naval ROTC
(Commissions awarded by Rear Admiral Hardison)

Farewell Message from the University—Frank Porter Graham
President of the University of North Carolina

Hark the Sound of Tar Heel Voices

Benediction

CONFERRING OF DEGREES IN COURSE

(Candidates in the College of Arts and Sciences presented by Dean Allan Wilson Hobbs)

BACHELORS OF ARTS

Grace Almon Brewster
Lella Royster Burnett
Helen Marie Camp
Gloria Caplan
Charles Raymond Clinard, Jr.
Catherine Carmen Cole
Barbara Mock Conley
Thomas Murray Edmondson
Eliza Jane Foster
Margaret Virginia Freeman
Robert Lee Gavin
Edward N. George, Jr.
Eleanor Wilson Godfrey
Arthur Mordecai Goldberg
Lelia Swink Grady
Betty Ann Gravatt
Betty Sinclair Griffin
Jewell Moore Hogan
Betsy Ann Hulburt
Nancy Jane Jenkins
Dorothy Lauren Jones
Ann Sumner Lawrence
Margaret Royena Miller
Virginia Davis Pou
James Turner Pritchett, Jr.
Fay Pushkin
Jane Ann Redd
Peter Chase Robinson
Frank Wendell Saunders
Marion Lovewell Saunders
Robert Hill Shaw, Jr.
Mary Ellen Thomas
Cynthia Crittenden Walmsley
Eleanor Burton Winstead
Grace Harper Woodard

NROTC

Richard Moxley Bradshaw
Robert Jason Brock
Clark Culbertson Burritt, Jr.
Robert Hawes Butman
(with honors in English)
Felton Moreland Collier
Thomas Alvin Cone
Fenner Samuel Corbett
Lloyd Richard DeGarmo
Jesse Kilmore Greenbaum
James Ramsay Hall
Kenneth Preston Hinsdale
Albert Jack Jacobson
Robert Murray Jenks
Fred Simon Kanter
Glen Barkalow Miller, Jr.
Francis Iredell Parker
Warren Seipp Perry
George Mason Rankin
Albert Pearsall Raynor
Donald LaClair Riggin
Ralph Jones Roddenbery
Donald Francis Shaughnessy
William Henry Tinsley, Jr.
Robert Bruce Van Wagner
Thomas Oberson Wilkinson
Bruce Evans Winslow

A/S, V-12, USNR

Daniel Hilton Seals
Zachary Taylor, Jr.
Richard Baynard Willingham

BACHELORS OF ARTS IN JOURNALISM

Marion Louise Bankhead
Paige Lewis Brodie
Lois Ribelin Cranford
Mildred Gold Johnson
Joseph Alexander Leslie III

BACHELORS OF SCIENCE IN CHEMISTRY

Fretwell Goer Crider
Jesse Noah Williams, Jr.

BACHELOR OF SCIENCE IN MEDICINE

Mark Alexander Griffin, Jr.

BACHELOR OF SCIENCE IN PUBLIC HEALTH NURSING

Edna Blanche Baggett

(Candidates in the School of Commerce presented by Dean Dudley DeWitt Carroll)

BACHELORS OF SCIENCE IN COMMERCE NROTC

Richard Samuel Bell
Marion Luceine Gaines
Paul Jay Spiewak
Joseph Lane Banks
Alexander Blucher Howard
Charles Allen Jacobs, Jr.
Charles Robert Powell
Hoyt Patrick Taylor, Jr.

AWARD OF CERTIFICATES

(Candidates for award of certificates in College for War Training presented by Dean Francis Foster Bradshaw)

NROTC

Manuel Alvarez, Jr.
Melvin Sydney Alverson, Jr.
Virgil John Ashbaugh, Jr.
John Greenwood Bacchus II
George Simone Belli
Hubert Charles Brown
Joel Thomas Cheatham, Jr.
Harry Lee Cohn
John Robert Dean
Josiah Withers Doar
T. Ardell Edwards, Jr.
Richard Sealy Elliott
William Burwell Ellis III
James Harold Fluhart
James Fitzgerald Fowler
John Milton Gambill
Gideon Lamb Gilliam
Charles William Hackney, Jr.
Saunder Harris
Donald Biggs Harrison, Jr.
Max Adolph Heiman
Thomas Warner Hudson, Jr.
William Lee Kinney, Jr.
Walter John Kraus
Henry Newman Lawrence
Wayman Olivious Leftwich, Jr.
Wallace Richard McGee
Joseph Bernard Mirsky
Paul Sidney Moorhead
George Alexander Norwood
Dosson Lynn Ray
Edwin Beswick Shultz, Jr.
Charles Gerrish Sproule, Jr.
Godfrey Wells Stancill
Philip Reade Taylor
Raymond Lamarne Walters
Warren Wright Webb
Oscar Mason Whitney
Allan Havard Williams
Dan Scott Williamson

A/S, V-12, USNR

George Thomas Asbell, Jr.
Hugh Frantz Atkinson
Charles Joseph Barry
Warren Glenn Basore
William Francis Beatty
Clarence Bennett
Wayne Roberta Brandon
Robert Thayer Broili
Wilbur Jennings Burgin
George Thomas Carroll
Gilbert Earl Carter
James Francis Cassidy
John Dale Cavaness
Hyman K. Cohen
Donald Dennis Cole
Edward Louis Colley
Benjamin Franklin Cooper
Samuel Wayman Delahay, Jr.
Malcolm Stuart Demurjian
Robert Joseph Doyle
Prentiss Stillwell Edwards, Jr.
Robert Irvin English
Robert Joseph Fagan
Jones Hicks Ford
Joseph B. Forrestal
Robert Donald Gee
Hugh Edward Gibbons
Samuel Royston Greene, Jr.
Johnnie Lee Halcomb
Brooks Willard Harwood
Lester Norris Hill
Billy Dean Hudgens
William Francis Hudson
James Arthur Johnson

Clarence Edward Keys
Grayson Curtis Kinney
Ralph Kleinspehn, Jr.
Marshall Sheldon Kuhn
Henry Herlin Kuns, Jr.
Evan Hardy Lacy, Jr.
Thomas Badger Lathrop
Philip Pell Lea
Walter Henry Link
Ronald Walter May
Raymond Wickliff McChesney
Walter Lawrence McColl
Gilbert Arthur McLeod
Richard McMullen
Nelson Lewis Morgan, Jr.
Robert Burren Morgan
Jack Walter Moshell
Donald Russel Nicholson
Malcolm Everett Oliver
Larry Gene Parks
John Willard Patterson
Ralph Adolphus Phillips, Jr.
Theodore Podolsky
William Thomas Randall
Raymond Walton Rawlings
John Warren Reese, Jr.
Rhea Walters Richardson, Jr.
Murray Wilford Rosenthal
Lee Frank Sadler
Jack Terah Sampson
Paul Eichhorn Schickler, Jr.
Seymour Schimler
Gordon Arnold Seneff
Robert Ezra Seyler
Wayne Michael Shillcox
Orville Willard Simpson
Claiborne Thweatt Smith, Jr.
John Anthony Somers
William Fred Stephan III
Billy Donald Stiehl
Jack Sherman Sturgell
William John Teel
Warren Lowell Thomas
Burnie Cleveland Thompson, Jr.
William Marshall Todd
John Earle Tull, Jr.
Leander Shelton Van Landingham
Ashley Alvin Walker
Ira Wilford Walker
Robert Andrew Weant
Benjamin Urton White
Louis Reams Wilkerson
Jack Sloane Willson, Jr.
Thomas Robert Wingfield
Clyde Thurman Winkler
John Edward Wolfe
Robert Thurman Wolfe, Jr.
James Barnes Worley III
Fred Boyer Wright, Jr.
William Earl Wyatt

MARINES, V-12

Wilson Nathaniel Anders
Paul Healy Callahan
Michael Philip Carroll
Arthur Lord Carter, Jr.
Dallas Lee Davis
Thomas Stephen Dlugos
Nathan Taylor Dodson
James Thaddeus Ellis, Jr.
Richard Charlton Ellzey
Billy Joe Ferguson
Richard Omas Garvin
Frank Robin Goar, Jr.
Arthur Wallace Griffith
Autrey Blanton Harmon
Robert Alexander Jones
William Frohock Kelly
Benjamin James Landry
William Earl McLain
William Harrison Nims, Jr.
John Edward Quigley
Barney Austin Roth
Francis Joseph Stack
Andrew Jardine Sykes
Gilbert Kenneth Tauscher
Robert Joe Thomas
John Ernest Vernier
Lyle Henry Worster

CONFERRING OF DEGREES IN COURSE

(Candidates in the School of Law presented by
Dean Robert Hasley Wettach)

BACHELOR OF LAWS

Idrienne Esther Levy

(Candidates in The Graduate School presented by Dean William Whatley Pierson, Jr.)

PROFESSIONAL GRADUATE DEGREES

MASTERS OF SCIENCE IN PUBLIC HEALTH

Babette Schoenberg Brody
Myrtle Belle Ousley
Arguyle Frank Seikel
Cassie B. Smith

GRADUATE DEGREES

MASTERS OF ARTS IN EDUCATION

Annie Elizabeth Anderson
Margaret Parker Ertel
Charles Linley Farthing
James Parker Gregory, Jr.
Theodrick Turner Hammack
Charles Clinton Lindley
Jack B. McDuffie
Hazel Elizabeth McSwain
Mamie Estelle Proctor

MASTERS OF ARTS

Mary Shaw Roberson Cunningham
Joseph Deutsch
Herbert A. Ellis, Jr.
Betty Kichline Gerow
Willie Bertha Grier
Helen Leach Macon
Latham L. Bing Miller
Louise Ellyson Wiley

DOCTORS OF PHILOSOPHY

Charles Lemuel Carroll, Jr., *Mathematics*

Thesis: Normal Simple Lie Algebras of Type D and Order 28 over a Field of Characteristic Zero.

Stuart Columbus Deskins, *History*

Thesis: The Presidential Election of 1928 in North Carolina.

Edna May Douglas, *Economics*

Thesis: Analysis of the Retail Trading Area of Southern North Carolina.

Esmarch Senn Gilreath, *Chemistry*

Thesis: A Semi-micro Scheme of Qualitative Analysis for the Cations without the Use of Hydrogen Sulfide.

Joseph Francis Masi, *Chemistry*

Thesis: Hydrogen-Ion Activities and Spectrophotometric Indicator Constants in Mixed Solvents.

Frederick Boyden Nims, *Classics*

Thesis: Cicero's Law Court Cases.

Durant Waite Robertson, Jr., *English*

Thesis: A Study of Certain Aspects of the Cultural Tradition of "Handlyng Synne."

AWARD OF COMMISSIONS

(Candidates for commissions presented by Captain Edward Everett Hazlett, Jr., USN, Commanding V-12 Unit at University of North Carolina)

Richard Moxley Bradshaw
Robert Jason Brock
Clark Culbertson Burritt, Jr.
Robert Hawes Butman
Felton Moreland Collier
Thomas Alvin Cone
Fenner Samuel Corbett
Lloyd Richard DeGarmo
Jesse Kilmore Greenbaum
James Ramsay Hall
Kenneth Preston Hinsdale
Albert Jack Jacobson
Robert Murray Jenks
Fred Simon Kanter
Glen Barkalow Miller, Jr.
Francis Iredell Parker
Warren Seipp Perry
George Mason Rankin
Albert Pearsall Raynor
Donald LaClair Riggin
Ralph Jones Roddenbery
Donald Francis Shaughnessy
William Henry Tinsley, Jr.
Robert Bruce Van Wagner
Thomas Oberson Wilkinson
Bruce Evans Winslow
Joseph Lane Banks
Alexander Blucher Howard
Charles Allen Jacobs, Jr.
Charles Robert Powell
*Hoyt Patrick Taylor, Jr.
Manuel Alvarez, Jr.
Melvin Sydney Alverson, Jr.
Virgil John Ashbaugh, Jr.
John Greenwood Bacchus II
*George Simone Belli
Hubert Charles Brown
Joel Thomas Cheatham, Jr.
Harry Lee Cohn
John Robert Dean
Josiah Withers Doar
T. Ardell Edwards, Jr.
Richard Sealy Elliott
William Burwell Ellis III
James Harold Fluhart
James Fitzgerald Fowler
John Milton Gambill
Gideon Lamb Gilliam
Charles William Hackney, Jr.
Saunder Harris
Donald Biggs Harrison, Jr.
Max Adolph Heiman
Thomas Warner Hudson, Jr.
William Lee Kinney, Jr.
Walter John Kraus
Henry Newman Lawrence
Wayman Olivious Leftwich, Jr.
Wallace Richard McGee
Joseph Bernard Mirsky
Paul Sidney Moorhead
George Alexander Norwood
Dosson Lynn Ray
Edwin Beswick Schultz, Jr.
Charles Gerrish Sproule, Jr.
Godfrey Wells Stancill
Philip Reade Taylor
Raymond Lamarne Walters
Warren Wright Webb
Oscar Mason Whitney
Alan Havard Williams
Dan Scott Williamson

* Commission as second lieutenant, U. S. Marine Corps Reserve; all other commissions as ensigns, U. S. Naval Reserve.

COMMENCEMENT

Kenan Stadium, Monday, June 25, 1945

One Hundred and Fifty-First
ANNUAL COMMENCEMENT
JUNE 25, 1945
THE UNIVERSITY OF NORTH CAROLINA
Chapel Hill

PROGRAM

Concert by The All-State High School Band
EARL SLOCUM, *Director*

ACADEMIC PROCESSION
William Morton Dey, Faculty Marshal
Presiding—Robert Burton House, Chancellor and Vice President

THE NATIONAL ANTHEM

PRAYER
Rev. Emmet Gribbin, Associate Pastor, Chapel of the Cross, Chapel Hill

SESQUICENTENNIAL COMMENCEMENT ADDRESS
Kemp Davis Battle '09

PRESIDENT OF THE SENIOR CLASS
John David Waldroup

CONFERRING OF DEGREES IN COURSE
THE GOVERNOR OF NORTH CAROLINA
R. Gregg Cherry

CONFERRING OF HONORARY DEGREES
THE PRESIDENT OF THE UNIVERSITY
Frank Porter Graham

HARK THE SOUND OF TAR HEEL VOICES

BENEDICTION

ANNOUNCEMENTS

MEDALS, PRIZES, AND AWARDS

THE EBEN ALEXANDER PRIZE IN GREEK.....*Harry D. Holden, Jr.*
THE ARCHIBALD HENDERSON MEDAL IN MATHEMATICS.....*Charles Lawton Hayes, Jr.*
THE PATTERSON MEDAL.....*Edwin Beswick Shultz, Jr.*
THE ROLAND HOLT AWARD IN PLAYWRITING.....*Clare Johnson Marley*
VALKYRIE CUP..... *Wynnette Bowden White*
THE ALGERNON SYDNEY SULLIVAN AWARD.....*Sara Margaret McEachern*
THE ERNEST H. ABERNATHY PUBLICATIONS AWARD.....*Frederick James Flagler, Jr.*
HONORABLE MENTION.....*William Handy Hipps, Jr.*
THE JOHN J. PARKER, JUNIOR, MEDAL.....*William Thomas Crisp II*
THE CHI OMEGA PRIZE.....*Julia Tallulah Moody*
THE FOY ROBERSON, JUNIOR, MEDAL.....*James Allen Jordan*
THE BUXTON WILLIAMS HUNTER MEDAL IN PHARMACY.....*Rudolph Warren Hardy*
THE LEHN AND FINK GOLD MEDAL IN PHARMACY.....*Laurel Lee Williams*

DEGREES IN COURSE

Candidates presented by Dean Allan Wilson Hobbs

BACHELORS OF ARTS

Anne Ackerson
Adele Albert
Kathleen Arnold
*Anne Elizabeth Atkinson
Jean Avery Aycock
Isabelle Bernstein
Barbara Rebecca Blitzer
Richard Sol Bloch
*Dixie-jean Bodge
Martha Louise Miller Brandis
Gloria Ann Breeding
Frances Adams Brice
*Randall Brooks
Katherine Jeanette Brown
Mary Magdeline Brown
Ruth Brown
Emily Miriam Burbage
Ann Campbell
Marian Gail Castellow
Frances Ellison Cely
Dorothy Jane Chase
Elizabeth Landon Chase
*Stanley Michael Chernish
Frances Marjorie Cheshire
Martha Anne Coble
Dena Cohen
Margaret Conger
Jane Anne Craumer
Elizabeth Cross
Betty Lou Cypert
Anne Leavell Daniel
Ann Willis Darrah
Barbara Helen Davis
Harriet Graham Davis
Rosetta Pauline Davis
Rosalind Augusta Davison
Shirley Stone Dickinson
Elizabeth Montgomery Dickson
Ellen Chester Dodson
Ruth Carolyn Doggett
Margaretta Vantuyle Douglas
Marie Eloise Dowd
Sophia Sue Duffy
Jean Wright Dukes
Mary Louise Durham
Lucille Story Eastering
Isabel Robinson Edmands
Margaret Florence Eller
Dorothy D. Enzor
Durema Gresham Fitzgerald
*Betty Lou Fletcher
Betty Lou Folsom
Mary Sue Folsom
Charlotte Augusta Foster

* Absent by permission.

Margaret Eagles Fountain
Jane Fuller
Mary Alice Fulton
*Fannie Belle Futrelle
Virginia Clàire Gary
Marvin Jackson Gatlin
Joseph Wesley Gentry
Dorothy Joy Gilbert
Martha Naomi Gillespie
Julia Ginsberg
Nancy Byrd Green
Olive Mabry Griner
Mildred Gulick
*Marion Gurney
*Arnold Haber, Jr.
Ellamae F. Hagie
Luby Alexander Harper, Jr.
Judy Harrison
*George Edwin Henry
Lois Ann Hodges
Betty Geraldine Horwitz
Patricia Hope Howard
Patricia Lee Hughes
Mary Payne Jett
Elizabeth Florence Johnson
Sue Maria Johnson
Betty Rosemond Johnston
Myra Rebecca Jones
*Mary Shields Justis
Arthur Sanford Kaplan
Catherine Paulein Kelly
Ruth Ann Kendel
Jane Carolyn King
Martha Nell King
Nancy Jane King
Alice Libby Kington
Robert Tyler Kohl
Mary Martha Kress
Rebecca Adair Lane
Aneta Myra Lasky
Kathryn Lecka
Dorothy Ann Lee
Mary Virginia Leese
Jeanne Mary LeFebre
Deborah Lewis
Mary Jane Lloyd
Marguerite Anne Lumsden
Patricia Ellen Lynch
Margaret Elizabeth Manly
Lucille Marilyn Marks
Joan Martin
Sarah Elizabeth Martin
Carol Elizabeth Maynard
Frances Lane Maynard
Miriam McCormic
June McCully
Sara Margaret McEachern
Jane McRae
Martha Ann Miles
Emery Clyde Miller, Jr.
Emily Cornelia Miller
Dott Scott Mills
June Sylvia Mindlin
Calvin Chambers Mitchener
Julia Tallulah Moody
Mary Athalia Morrow
Jean Louise Morton
Margaret Bassett Morton
Nancy Murphy
Grace G. Neuman
Rose Arlene Newell
Geraldine Newsome
Jacqueline Suzanne Nimock
Elizabeth Prince Nufer
Mary Powel Oppen
Zelda Oser
George Henry Paine
Ruthe Whitley Parish
Laura Anderson Parker
James Singleton Patty
(with Highest Honors in French)
Barbara Jane Pentlarge
Robert Milton Peters
Edith Geraldine Pfarr
Julia Winifred Power
Gloria Aiken Powers
Nina Sara Reiter
Dorothy Elizabeth Rhyne
Robert R. Rosen
Catherine Elizabeth Sauls
Patty McFarland Schartle
Labe Charles Scheinberg
Marilyn Aldine Schroder
Peter Somers Scott
Emily Anne Singletary
Marguerite Stanton
Elizabeth Stevenson Stifel
Mary Beckwith Stringfield
Betty Donaldson Sweat
Florence Olive Taylor
Peggy Lewis Teague
William Lafayette Thigpen
Charlotte Huntington Thomas
Elizabeth Louise Thrush
Rosalyn Weiser
Betty Ruskin White
Wynnette Bowden White
Elizabeth Pauline Wiggins
Jane Simpson Wilcox
Margaret Elaine Wilson
Jimmie Lou Dunn Wingfield
Dora Sompayrac Winters
Lillian Garland Worsley
Martha Finch Worthington
Mary Argyle Wright
Tharon Elizabeth Young

* Absent by permission.

BACHELOR OF ARTS IN EDUCATION

Clarence Martin King

BACHELORS OF ARTS IN JOURNALISM

Lucille Cathey
Helen Peck Allen Claywell
Virginia Edel
Shirley Janet Grosser
Henriette Dargan Hampton
Shirley Jane Hartzell
William Handy Hipps, Jr.
Nancy Cooper Kennickell
Betty Roderick Kiger
Sarah Katherine Kugler
Jeannette Ellen Miller
Margaret Constance Parsons
Mary Brooks Popkins
W. Howard Rambeau
*Blanche Duvall Smith
Ann Harrison Webster

BACHELORS OF SCIENCE IN CHEMISTRY

René Louis Bernard, Jr.
John Bigelow O'Neal
Francis Harriet Weaver

BACHELORS OF SCIENCE IN MEDICINE

Paul Vernon Nolan
Henry M. Stenhouse, Jr.
Arthur Rogers Summerlin, Jr.
Allen Denny Tate, Jr.
*Jerry Tichner
John Edwin Weyher, Jr.

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

Delphina Roberts

BACHELOR OF SCIENCE IN PUBLIC HEALTH

*Fabio Castillo

BACHELORS OF SCIENCE IN PUBLIC HEALTH NURSING

*Louise Rose Buckley
*Nell Winchester Coffman
Geraldine Elaine Spitzer
Flora Wilson Stanley
*Elizabeth Snowden Thompson
*Lola Haddix Torbert

Presented by Dean Walter Reece Berryhill

CERTIFICATES IN MEDICINE

The following (on account of other duties) are absent by permission.

John Purcell Allan
George Walker Blair, Jr.
James Seaborn Blair, Jr.
Edwin Boyle, Jr.
Littleton Jay Bunch
David Glenn Bunn
Thomas Sidney Cheek
Eva Catherine Cline
George Robert Clutts
Alfred Robert Cordell
James Hicks Corey, Jr.
Samuel Owen Cornwell
Courtney David Egerton, Jr.
Grafton Clinton Fanney, Jr.
Robert Greeson Fitzgerald, Jr.
J. Henry Smith Foushee, Jr.
Harold Lacy Godwin
Kirby Thompson Hart, Jr.
John Allen Hightower
Edward Reginald Hipp, Jr.
Richard Eugene Hooks
Hampton Hubbard
Lewis Edward Jones
Weldon Huske Jordan
David Josephs
Benjamin Jones Lawrence, Jr.
Carlyle Thomas Mangum, Jr.
John Howard Monroe
Jim Upton Oliver
Karl Busbee Pace, Jr.
William Gaston Palmer
John Robert Pender III
James Ernest Ribet
Martha Frances Richardson
Henry Lee Sloan, Jr.
John Gordon Smith
Roger Alexander Smith III
Thomas Lane Stokes
Ferdinand Florian Szabo
Charles Robert Thompson
Clifton Forrest West, Jr.
James Stark White
Coleman Morrison Whitlock, Jr.
Dean Flewellyn Winn, Jr.
Winfield Augustus Worth, Jr.

* Absent by permission.

Presented by Dean Milton Joseph Rosenau

CERTIFICATES IN PUBLIC HEALTH NURSING

*Mildred Elizabeth Blackwell
Berta Reeves Crumpler
*Minnie Bailey Engelberg
*Helen Mae Henley
*Pearl Oswald Hinnant
*Charlotte Mawley Inglesby
*Alice Leah Kinney
*Willie Pauline Lovingood
*Virginia Crawford McMackin
*Catherine Jones Shingleton
*Ann Ricica Steele
*Lola Haddix Torbert
*Sally Herrin Wallwork

Presented by Dean Dudley DeWitt Carroll

BACHELORS OF SCIENCE IN COMMERCE

Rufus Couch Allen
Dewey Arthur Bowman
Frederic Scott Caligan
William Hammond Culp
Marion Homes Dixon
Thomas Carter Florance
Frances Elizabeth Green
Horace Arnold Haas
Thomas Wiley Harris, Jr.
Edwina Harriet Jefferson
*James Alexander Leak
Richard Downing Maynor
William Roberts McKenzie
Doris Louise Newell
Edith Bond Owens
Frances Patterson Perry
James Jackson Poole
Sara Daphne Richardson
John Craig Shelton
Ina Reneé Steuer
Edgar Roy Taylor
Edward Lloyd Tilley, Jr.
Joseph Collins Travis
John David Waldroup

Presented by Dean John Grover Beard

BACHELORS OF SCIENCE IN PHARMACY

Lexie Virginia Caudle
Elsie Rose Hudson
Robert Hinkley Parsons
Edgar Lloyd Riggsbee

Presented by Dean Susan Grey Akers

BACHELORS OF SCIENCE IN LIBRARY SCIENCE

The following (on account of other duties) are absent by permission

Madge Blalock
Laura Jean Blount
Josephine Bethune Bone
Hortense Clare Boomer
Eleanor Gaines Boykin
Margaret Louise Chapman
Clara Irene Council
Dorothy Vernon Crowder
Margaret Dickinson Duer
Angélica Freire
Alyce Lee Fulton
Nita Gahagan
Adele Bernice Greenberg
Mildred Guthrie
Anna Montgomery McCrary
Sara Higby Peasley
Alice Marjorie Reavis
Louise Rowe
Sarah Ray Shirley
Laura Wilson Spence
Mae Suetta Tucker
Emily King Vander Linden
Julia Kiber Ward

Presented by Dean William Whatley Pierson

PROFESSIONAL GRADUATE DEGREES

MASTER OF PUBLIC HEALTH

Everett Hews Ellinwood

MASTER OF SCIENCE IN PERSONNEL ADMINISTRATION

Catherine Meade Neale

* Absent by permission.

MASTERS OF SCIENCE IN PUBLIC HEALTH

Mercedes Chávez Arango
*Federico Guillermo Boquín
*Fernando Barros Ferraz
*Eleanor Hand Freeman
*Nina Estella Gray
*Milton Emanuel Kossack
Mary Elizabeth Matthews
*Annie Laurie McDonald
Dorothy Mae Melvin
*Domingo E. Danilo Restano
*Joao G. B. Gonçalves da Silva
*Alejandro Fernando Vinces
*David Yacoel Asseo

GRADUATE DEGREES

MASTERS OF ARTS IN EDUCATION

Selby Evans Coffman, Jr.
Claude Reuben Joyner

MASTERS OF ARTS

Margaret Bliss Ashby
Wesley Marvin Bagby
*Jack Newton Behrman
Sara Kleiman Brown
Sarah Irwin Davis
*Alma Norean Graves
*Dorothy Brewster Gray
*Philip Mahone Griffith
Catherine Mildred Heniford
Beatrice Van Wie Marion
Clare Johnson Marley
*Constance Collis Peters
*Margaret Nell Price
Dorothy Mae Roesel
Elizabeth Kinloch Solem
Virginia Stone
Grace Ezell Weeks
Carl Edwin Wike

DOCTORS OF PHILOSOPHY

Don Edwin Ellis, *Plant Pathology*

Thesis: Anthracnose of Drawf Mistletoe Caused by Septogloeum Gillii N. Sp.

Rhoda Coleman Ellison, *English*

Thesis: Early Alabama Publications: A Study in Literary Interests, with a Checklist of Alabama Imprints, 1807-1870.

James Geraty Harrison, *English*

Thesis: American Newspaper Journalism as Described in American Novels of the Nineteenth Century.

Mary Bynum Holmes, *Education*

Thesis: Graduate Work in the South.

John Eli Ivey, Jr., *Sociology*

Thesis: State Planning: Experiments in the American Planning Process.

William Ross Lansburg, *Romance Languages*

Thesis: A Survey and Classification of Words of Uncertain Origin in the French Language.

Arthur Stanley Link, *History*

Thesis: The South and the Democratic Campaign of 1910-1912.

Mildred Morse McEwen, *Biological Chemistry*

Thesis: Studies on the Effect of Vitamin B-Complex Deficiency on the Metabolism and Absorption of Quinine.

John William Nowell, *Chemistry*

Thesis: The Permeabilities of Cellophane Film to Various Gases.

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* Absent by permission.

William Henry Peacock, *Education*
Thesis: A Study of Marks Earned by Freshman Trainees in the Navy V-12 Program during 1943 at the University of North Carolina.

Coy Tatum Phillips, *Geography*
Thesis: Durham, a Geographic Study.

George William Radimersky, *Germanic Languages*
Thesis: Verfall und Erhaltung als menschengestaltende Elemente bei Gustav Frenssen.

Robert Marsden Wallace, *English*
Thesis: Henry Fielding's Narrative Method: Its Historical and Biographical Origins.

HONORARY DEGREES

DOCTORS OF LAWS

Robert L. Doughton
Robert March Hanes
Edward Pearson Moses
John Lloyd Newcomb

DOCTOR OF LETTERS

Adelaide L. Fries

CERTIFICATES CONFERRED SEPTEMBER 9, 1944

CERTIFICATES IN MEDICINE

Leon Ashby Adams
Robert Jackson Andrews
John Vincent Arey
Charles Clifford Barringer
William Harrison Bell, Jr.
Hu Al Blake
Earl Eugene Correll
Harry Duffield Cox
David Bennett Crawford, Jr.
Walter Lee Crouch
John Woodrow Davis
Junius Weeks Davis, Jr.
Herman Lee Earnhardt, Jr.
Walter Eugene Furr, Jr.
John Stuart Gaul, Jr.
James Hubert Hawkins
John Fox Kendrick, Jr.
Bruce Jack Kessler
Francis Parker King
Allen Henry Lee
Carroll Hoyt Lippard
Lewis Burgin MacBrayer
Isaac Vaughn Manly
James Hollowell Manly, Jr.
Henry Burwell Marrow, Jr.
Otto Stevens Matthews
Clarence Mason Miller, Jr.
George Dial Penick
Charles A. Speas Phillips
Robert Kay Quinnell
William Edmond Rabil
Robert Ray Rascoe, Jr.
Charles Foster Scarborough, Jr.
George Andrew Smedberg
John Mitchell Sorrow
Robert Spruill Spain
Morton Paul Svigals
Margaret Catherine Swanton
Charles Walter Tillett III
Albert David Warshauser
Edwin Julius Wells, Jr.
Richard Armstrong Worsham

DEGREES CONFERRED OCTOBER 29, 1944

BACHELORS OF ARTS

*James Bedigian
Margaret Ivie Booth
Mary Elizabeth Corbett
James Edward Duffy
Herbert Leonard Fleishman
George Chandler Fox
Ann Maxwell Greer
Mary Sue Griffin
Nancy Phyllis Harrill
Edith Woodruff Hash
*Harry M. Levine
William Dillon O'Shea
*Robert McLean Pottle
Nancy Douglas Robinson
Bette Jeanne Smith
Norma Talmadge Surles
Margaret Leonelle Suttle
Edgar Chew Sweeney, Jr.
Mabel Dare Tilley

* As of June, 1944.

BACHELORS OF ARTS IN JOURNALISM

Grace Caroline Griffin
Mildred Louise Newton

BACHELORS OF SCIENCE IN CHEMISTRY

Richard Thomas Brooke
Julia Elizabeth Morgan
John Moore Ruth

BACHELORS OF SCIENCE IN MEDICINE

George Walker Blair, Jr.
George Robert Clutts
Alfred Robert Cordell
Samuel Owen Cornwell
Grafton Clinton Fanney, Jr.
Robert Greeson Fitzgerald, Jr.
Harold Lacy Godwin
Weldon Huske Jordan
John Howard Monroe
William Gaston Palmer
John Robert Pender III
James Ernest Ribet
David Coston Sabiston, Jr.
Thomas Lane Stokes
Clifton Forrest West, Jr.
James Stark White
Winfield Augustus Worth, Jr.

BACHELOR OF SCIENCE IN COMMERCE

*Elmer James Wellons, Jr.

BACHELOR OF SCIENCE IN PUBLIC HEALTH NURSING

Mary Farquhar

GRADUATION EXERCISES

MARKING THE CLOSE OF THE TERM
ENDING OCTOBER 1945

HILL MUSIC HALL, SATURDAY, OCTOBER 27, 1945

11:30 A.M.—Review of Naval Reserve Officers Corps
Presentation of Awards .....Kenan Stadium
12:30 P.M.—Swearing in Ceremony .....N.R.O.T.C. Armory
1:00 P.M.—"Dutch" Luncheon for All Candidates for Degrees, Certificates and Commissions and Their Parents
Carolina Inn
2:40 P.M.—Degree Candidates Assemble for Procession—
Lobby, Hill Hall
3:00 P.M.—Graduation Exercises.....Hill Hall Auditorium

Presiding—Robert Burton House, *Chancellor*
The National Anthem
Invocation, Harry F. Comer
Graduation Address
Vice Admiral David Worth Bagley, U.S.N.
Conferring of Degrees in Course
Candidates for Degrees Presented by Their Academic Deans
Award of Certificates
Degrees and Certificates Awarded by Governor R. Gregg Cherry, *Chairman*, Board of Trustees
Presentation of Commissions
Candidates Presented by Captain Edward Everett Hazlett, Jr., U.S.N.
Farewells
Hark the Sound of Tar Heel Voices
Benediction

* As of June, 1939.

DEGREES IN COURSE

(Candidates in the College of Arts and Sciences presented by Dean Allan Wilson Hobbs)

BACHELORS OF ARTS

Winifred Adelaide Baggett
Martin Robert Benjamin
Eunice Virginia Bird
Ruby Frances Brown
*Isabel Carew Carpenter
Louis Hector DeArmas
*Jean McDowell Defandorf
Elizabeth Liles Edwards
Martha Galbraith
Sara Louisa Garland
Jane Gilbert
Marillyn Elizabeth Hammond
Arthur Sanford Liggett
Nancy Towne McDonough
Burton Myron Newell, Jr.
Morris Wiley Pully
Alice Fite Saunders
Arthur Gerald Stamler
Rosalie Anne Thalheimer
Mary Louise Thomson
Frederic Herbert Weber
Jane Dickson Wideman

BACHELOR OF ARTS IN EDUCATION

Robert Victor Hamilton

BACHELOR OF SCIENCE IN PUBLIC HEALTH NURSING

Zelda Johnson

BACHELORS OF ARTS NROTC

Morton Blankman
Daniel Trevarthean Bowden
Thomas Henry Campbell, Jr.
Donald Charles Christensen
Thomas Richard Colfer, Jr.
Robert Eric Comet
Alan Wolf Cone
James Robert Crain
Stewart Wilbur Damon
James Francis Devine
Douglas Joseph Erath
James Hiram Everett
Ernest William Fontinell
John Sherman Fuller, Jr.
David Gray Fulton
Francis Xavier Gallagher
David Charles Goodman
Stephen Galbreth Graham
Paul Roland Harriger
Arnold Garland Hartelius, Jr.
Harry David Holden, Jr.
Arthur James Hughes
Bynum Merritt Hunter
Joseph Thompson Ichter
Roger Clinton Laynor
Harland Winston Lindenmuth
John William Lindsay, Jr.
Herbert Hatton Long
Paul Edward Ludwig
Paul Leo Magill
Franklyn Andreas Martin
John Justin McCarthy
Charles Edward McCormack, Jr.
William George McGuigan
Joseph Daniel McMahon
Wade Wiley Phillips
Donald Campbell Reese
Kent Clayton Roberts
George Bernard Stadter
Philip John Stroh
Edmond Vernon Townsend, Jr.
Edward Louis Twohey
Russell Thomas Wolfe

BACHELORS OF SCIENCE IN MEDICINE

Thomas Holt
Daniel Franklin Milam, Jr.

(Candidates in the School of Commerce presented by Dean Dudley DeWitt Carroll)

BACHELORS OF SCIENCE IN COMMERCE

*Walter Edgar Brock
Elizabeth Ann Christian
Herbert Mason Clark, Jr.
*Richard Bramley Ford
Mary Virginia Hart
Lawrence Charles Shapiro
Marion Jackson Trotman
Robert Edward Watson
Ann Woodruff

* Absent by permission.

(Candidates for the award of Certificates by the College for War Training)

NROTC

John Blanton Belk, Jr.
Elmer Collins Brown
Maurice Waldon Brown
Ralph Jennings Bryan
Francis Edward Caufield, Jr.
John Arthur Colby
George Edward Henkel
Lawrence Lewis Hooper
Jack Howard Liedl
Curtis Belwood Lilly
John Aloysius Lord
Eugene Francis McMenamin
John Archibald McPhaul
Gerald Francis Miller
Jesse Seneca Moore, Jr.
Philip Jacob Moskowitz
Frederick Thompson Pfeiffer
Richard Andrew Robinson
John Newton Shaw
John Henry Donald Williams

V-12

Ellis Berlin
Oren Odom Billings
Carl Allen Bredbenner
James Olin Cansler
William Harlan Cook, Jr.
Robert Moore Curran, Jr.
Meade Faber Degges
Walter Kenneth Ellis, Jr.
Panagistis John Gaganis
Edward Ralph Gunion
Donald Charles Houlahan
Aaron Jaffe
Eugene Biggs Jessup
Harry Luther Kates
Lote B. Kinney
Ruedy Lillford Lockerby
Charles Vincent Lyons
William George Rademacher
Joe Lee Silverstein, Jr.
Lee Jerome Unger
Charles Veil
Hugh Beckett Wallis

(Candidates in The Graduate School will receive their degrees in absentia)

PROFESSIONAL GRADUATE DEGREES

MASTERS OF ARTS IN EDUCATION

Abbie Helen Betts
Betty Bridgforth
Martha Foley Garbee
Mary Jo Montgomery
Martha Eleanor Moseley
John Richard Sawyer
Nina Louise Sitterson
Guy B. Teachey
Wesley Floyd Veasey

GRADUATE DEGREES

MASTERS OF ARTS

Frank Watts Ashley
Winifred Egan Edmunds
Gertrude Ehrlich

MASTER OF SCIENCE

Geneva Katherine King

* Absent by permission.

AWARD OF COMMISSIONS AS ENSIGNS, U.S.N.R.

Members of the Naval Reserve Officers Training Corps
(Candidates for Commissions presented by Captain Edward Everett Hazlett, Jr., Commandant of V-12 Program)

James Ellsworth Ackley
*Wallace Clifford Barrett
Morton Blankman
Daniel Trevarthean Bowden
Maurice Waldon Brown
Thomas Henry Campbell, Jr.
Donald Charles Christensen
Thomas Richard Colfer, Jr.
Robert Eric Comet
Alan Wolf Cone
James Robert Crain
Stewart Wilbur Damon
James Francis Devine
Douglas Joseph Erath
James Hiram Everett
Ernest William Fontinell
John Sherman Fuller, Jr.
David Gray Fulton
Francis Xavier Gallagher
David Charles Goodman
Stephen Galbreth Graham
Paul Roland Harriger
Arnold Garland Hartelius, Jr.
Harry David Holden, Jr.
Arthur James Hughes
Bynum Merritt Hunter
Joseph Thompson Ichter
Roger Clinton Laynor
Harland Winston Lindenmuth
John William Lindsay, Jr.
Herbert Hatton Long
Paul Edward Ludwig
Paul Leo Magill
Franklyn Andreas Martin
John Justin McCarthy
Charles Edward McCormack, Jr.
William George McGuigan
Joseph Daniel McMahon
Wade Wiley Phillips
Donald Campbell Reese
James Grover Regan, Jr.
Kent Clayton Roberts
Albert August Sileski
George Bernard Stadter
Philip John Stroh
Edmond Vernon Townsend, Jr.
Edward Louis Twohey
Russell Thomas Wolfe
John Blanton Belk, Jr.
Elmer Collins Brown
Maurice Waldon Brown
Ralph Jennings Bryan
Francis Edward Caufield, Jr.
*John Arthur Colby
George Edward Henkel
Lawrence Lewis Hooper
Jack Howard Liedl
Curtis Belwood Lilly
John Aloysius Lord
Eugene Francis McMenamin
John Archibald McPhaul
Gerald Francis Miller
Jesse Seneca Moore, Jr.
Philip Jacob Moskowitz
Frederick Thompson Pfeiffer
Richard Andrew Robinson
John Newton Shaw
John Henry Donald Williams

* Commissioned as Second Lieutenant, U. S. Marine Corps Reserve.

THE SESQUICENTENNIAL CONVOCATION

MEMORIAL HALL
APRIL THE THIRTEENTH
NINETEEN HUNDRED AND FORTY-SIX

PROGRAM

Ten O'clock

I THE SESQUICENTENNIAL PROCESSION

The Processional March .....The University Band
Professor Earl Slocum, Director

The University Marshal
The President of the University and Party
The Trustees, Legislative Commission, and Alumni Committee
The Candidates for Honorary Degrees
The Delegates from Colleges and Universities
The Delegates from Learned Societies and Foundations
The University Faculty and Officers

Ten-thirty O'clock

II THE SESQUICENTENNIAL EXERCISES

CHANCELLOR ROBERT BURTON HOUSE, Presiding

Processional: *March Pontifical*, Gounod....Dr. Jan Philip Schinhan, Organist

The Invocation .....Reverend Edwin McNeill Poteat
President, Colgate-Rochester Divinity School

Hymn: *Holy, Holy, Holy*.....The University Glee Clubs and Audience
Professor Paul Young, Director

The Introduction of Delegates.....Dr. William Morton Dey
Marshal of the University

Chorus: *Alleluia*, Randall Thompson ....The University Glee Clubs

Address: *Educational Mobilization in a Free Society*
Edmund Ezra Day
President, Cornell University

Address: *A Look Ahead* .....Frank Porter Graham
President, University of North Carolina

The Conferring of Honorary Degrees
Candidates presented by William Whatley Pierson, Jr.
Dean of the Graduate School

Hymn: *A Mighty Fortress Is Our God*
The University Glee Clubs and Audience

The Benediction .....Eugene Epperson Barnett
General Secretary, National Council of the Young Men's Christian Association

Organ Postlude

THE CONFERRING OF HONORARY DEGREES

DOCTORS OF LAWS

Eugene Epperson Barnett
Maurice Victor Barnhill
James Francis Byrnes
William Donald Carmichael
Robert Gregg Cherry
Francis William Coker
Preston Davie
Edmund Ezra Day
Emery Byrd Denny
Harold Willis Dodds
Clarence Addison Dykstra
Meta Glass
Luther Hartwell Hodges
Isaac Leon Kandel
Waldo Gifford Leland
Elias Avery Lowe
Harry McMullan
Harry Alvin Millis
Edward R. Murrow
William Fielding Ogburn
Julian Price
D. Hiden Ramsey
Allen Hal Turnage
Lindsay Carter Warren
Archibald Lee Manning Wiggins
John Wallace Winborne

DOCTORS OF LETTERS

Joseph Quincy Adams
Archibald Rutledge
Stith Thompson

DOCTORS OF SCIENCE

Jesse Wakefield Beams
William Walter Cort
Edwin Broun Fred
Hugh Jackson Morgan
George Braxton Pegram
James Stevens Simmons
William Hay Taliaferro
Robert Sessions Woodworth

DOCTOR OF DIVINITY

Edwin McNeill Poteat

DOCTOR OF MUSIC

Norman Cheshire Cordon, Jr.

REGISTRATION BY QUARTERS AND YEARS

(Sept., 1937—Jan., 1946, inclusive)

	1937-38	1938-39	1939-40	1940-41	1941-42	1942-43	1943-44	1944-45	1945-46
Fall	3240	3509	3845	4098	4108	3350	1788	1681[1]	2480[6]
Winter	3100	3209	3681	3773	3773	2975	1596	1811[2]	4011[7]
Spring	3043	3207	3570	3593	3492	2409	1501	1633[3]	4430
Summer 1st Term	1714	1558	1912	1778	1964	1709	1617	1232[4]	3767
Summer 2nd Term	908	1140	932	998	1368	1262	1029	1822[5]	3351

[1] Short Fall Term, (Sept. 18—Oct. 27, 1944)
[2] Winter Semester, (Nov.-Feb. 23, 1945); Civilians, 1811; V-12's, 806; Navy Pre-Flight, 1205=3822.
[3] Spring Semester, (March-June, 1945); Civilians, 1633; V-12's, 634; Navy Pre-Flight, 1280=3547.
[4] July-August Term (1st Term, Summer Session). Total 1232 Civilians.
[5] Sept.-Oct. Term (2nd Term, Summer Session). Total 1822 Civilians.
[6] Nov.-Dec. Short Term (1945)—Transition from semester to old quarter system. Total. 2480 Civilians.
[7] Includes 103 Marines and 342 (Navy) N.R.O.T.C.'s, total 445.

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